

Anti-Tropomyosin alpha 1 Chain Rabbit Monoclonal Antibody

Introduction

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction.

Product parameters

Alternative Names TPM1; C15orf13; TMSA; Tropomyosin alpha-1 chain; Alpha-tropomyosin; Tropomyosin-1 Gene ID 7168 Gene Name TPM1 SwissProt ID P09493 Host Rabbit Reactivity Human, Mouse, Rat Molecular Weight Calculated MW: 33 kDa; Observed MW: 33 kDa Conjugation Unconjugated Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Punification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction <t< th=""><th></th><th></th></t<>		
Gene Name SwissProt ID P09493 Host Reactivity Human, Mouse, Rat Molecular Weight Calculated MW: 33 kDa; Observed MW: 33 kDa Conjugation Unconjugated Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 11500-1/1000 IHC: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Shipping Blue ice	Alternative Names	TPM1; C15orf13; TMSA; Tropomyosin alpha-1 chain; Alpha-tropomyosin; Tropomyosin-1
SwissProt ID P09493 Host Rabbit Reactivity Human, Mouse, Rat Molecular Weight Calculated MW: 33 kDa; Observed MW: 33 kDa Conjugation Unconjugated Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB: I/500-1/1000 IHC: 1/50-1/100 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Blue ice	Gene ID	7168
Reactivity Human, Mouse, Rat Molecular Weight Calculated MW: 33 kDa; Observed MW: 33 kDa Conjugation Unconjugated Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Gene Name	TPM1
Reactivity Human, Mouse, Rat Molecular Weight Calculated MW: 33 kDa; Observed MW: 33 kDa Conjugation Unconjugated PERIO Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	SwissProt ID	P09493
Molecular Weight Conjugation Unconjugated Ex Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB. I/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Shipping Blue ice	Host	Rabbit
Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Reactivity	Human, Mouse, Rat
Ex - Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Molecular Weight	Calculated MW: 33 kDa; Observed MW: 33 kDa
Em - Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Conjugation	Unconjugated
Modification Unmodified Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Ex Actueve Perfect	h, Explore the Unknown. Achieve Perfection, Explore the Unknown.
Clonality IgG Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Em	-
Isotype Monoclonal Antibody Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Modification	Unmodified
Clonality No. AP-20A6B12 Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Clonality	IgG
Form Liquid Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Isotype	Monoclonal Antibody
Concentration See label Carrier Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Blue ice	Clonality No.	AP-20A6B12
Carrier Free Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Form	Liquid
Immunogen A synthesized peptide derived from human Tropomyosin 1 Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Concentration	See label
Purification Affinity Chromatography Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Carrier	Carrier Free
Buffer System Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Blue ice	Immunogen	A synthesized peptide derived from human Tropomyosin 1
Application WB, IHC-P, ICC/IF, FC, IP Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Purification	Affinity Chromatography
Dilution Ratio WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100 Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Buffer System	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Research Field Signal Transduction Product Categories Primary antibody Shipping Blue ice	Ap <mark>plication</mark>	WB, IHC-P, ICC/IF, FC, IP
Product Categories Primary antibody Shipping Blue ice	Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100
Shipping Blue ice	Research Field	Signal Transduction
	Product Categories	Primary antibody
Storage -20°C	Shipping	Blue ice
	Storage	-20°C

Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.

Protocol

Configure the product according to the application range and recommended dilution ratio.

*Note: The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





