Anti-STK3 Rabbit Monoclonal Antibody

Introduction

Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ.

Product parameters

Alternative Names	STK3; Mess1; MST-2; MST2; Serine/threonine kinase 3; KRS1; STE20-like kinase MST2
Gene ID	6788
Gene Name	STK3
SwissProt ID	Q13188
Host	Rabbit
Reactivity	Human, Mouse, Rat, Hamster
Molecular Weight	Calculated MW: 56 kDa; Observed MW: 56 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Unmodified
Clonality	IgG
Isotype	Monoclonal Antibody
Clonality No.	AP-15G10C1
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	A synthetic peptide of human STK3
Purification	Affinity Purified
Buffer System	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Application	WB, IHC-P, IP
Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

Research Field	Cell Biology
Product Categories	Primary antibody
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.

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