

Anti-Raptor Rabbit Monoclonal Antibody

Introduction

The regulatory associated protein of mTOR (Raptor) was identified as an mTOR binding partner that mediates mTOR signaling to downstream targets. Raptor binds to mTOR substrates, including 4E-BP1 and p70 S6 kinase, through their TOR signaling (TOS) motifs and is required for mTOR-mediated phosphorylation of these substrates. Binding of the FKBP12-rapamycin complex to mTOR inhibits the mTOR-raptor interaction, suggesting a mechanism for rapamycin's specific inhibition of mTOR signaling. This mTOR-raptor interaction and its regulation by nutrients and/or rapamycin is dependent on a protein called GβL.

Product parameters

Alternative Names	RPTOR; KOG1; KIAA1303; RAPTOR; Mip1
Gene ID	57521
Gene Name	RPTOR
SwissProt ID	Q8N122
Host	Rabbit
Reactivity	Human, Mouse, Rat
Molecular Weight	Calculated MW: 149 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Unmodified
Clonality	IgG
Isotype	Monoclonal Antibody
Clonality No.	AP-7C2B11
Form	Liquid
Concentration	See label
Carrier	Carrier Free
Immunogen	A synthesized peptide derived from human Raptor
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: 1/30 FC: 1/50-1/100

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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