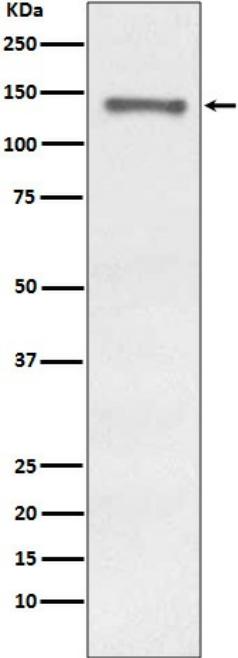


Swiss-Prot No.:	Q8N122
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	A synthesized peptide derived from human Raptor
Purification:	Affinity Chromatography
Reactivity:	Human, Mouse, Rat
Other Names:	RPTOR; KOG1; KIAA1303; RAPTOR; Mip1;
Background:	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 G β L.
Cellular localization:	Cytoplasm, Lysosome
Source:	Rabbit

Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	149kDa
Preservative:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Recommended Dilutions:	WB 1:500~1:1000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:30 FC 1:30
	
	Western blot analysis of Raptor in MCF-7 lysates using Raptor antibody.