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anti-MAPKAP1 antibody (N-Term)



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Quantity:	0.1 mg	
Target:	MAPKAP1	
Binding Specificity:	AA 90-140, N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MAPKAP1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))	
Product Details		
Immunogen:	MAPKAP1 antibody was raised against a 19 amino acid synthetic peptide from near the amino terminus of human MAPKAP1. The immunogen is located within amino acids 90 - 140 of MAPKAP1.	
Isotype:	IgG	
Purification:	MAPKAP1 Antibody is affinity chromatography purified via peptide column.	
Target Details		
Target:	MAPKAP1	
Alternative Name:	MAPKAP1 (MAPKAP1 Products)	
Background:	MAPKAP1 Antibody: MAPKAP1 was initially identified as the human homolog of S. pombe	

SIN1. Recent evidence has shown that it identical to Mip1, a protein that interacts with MEKK2, a member of the mitogen-activated protein kinase (MAPK) intracellular signaling network.

MAPKAP1 is thought to prevent MEKK2 activation and dimerization by forming a complex with the inactive and non-phosphorylated MEKK2, thereby blocking the JNK1/2, ERK1/2, p38 and ERK5 MAPKs. MAPKAP1 has also been shown to play a role in the TOR signaling process, a pathway that is involved in controlling cell growth and proliferation in response to environmental cues such as nutrients, growth factors and hormones. Experiments showed that MAPKAP1 helped to maintain the TOR/rictor assembly but not the TOR/RAPTOR complex, which allowed specific phosphorylation of Akt, a kinase that is believed to couple the growth factor-PI3K signaling pathway to the nutrient-regulated TOR signaling pathway. Multiple alternatively spliced isoforms of MAPKAP1 have been identified.

Gene ID: 79109

NCBI Accession: NP_001006618

UniProt: Q9BPZ7

Pathways: PI3K-Akt Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway,

Skeletal Muscle Fiber Development, CXCR4-mediated Signaling Events

Application Details

Application Notes:

MAPKAP1 antibody can be used for detection of MAPKAP1 by Western blot at $0.5 - 1 \mu$,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5μ ,g/mL. For immunofluorescence start at 20μ ,g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	MAPKAP1 Antibody is supplied in PBS containing 0.02 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

Handling

	should be handled by trained staff only.	
Storage:	-20 °C,4 °C	
Storage Comment:	nment: MAPKAP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one yea As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies	
	should not be exposed to prolonged high temperatures.	