



[Go to Product page](#)

Datasheet for ABIN6990731
anti-MAPKAP1 antibody (AA 340-390)

Overview

Quantity:	0.1 mg
Target:	MAPKAP1
Binding Specificity:	AA 340-390
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	MAPKAP1 antibody was raised against a 18 amino acid synthetic peptide from near the center of human MAPKAP1. The immunogen is located within amino acids 340 - 390 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.

Target Details

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/ric1/2 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 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry 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 should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

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