

Rabbit MAPKAP1 Polyclonal Antibody | anti-MAPKAP1 antibody

MAPKAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39387	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

MAPKAP1; Polyclonal Antibody; MAPKAP1 Antibody; MIP1; SIN1; JC310; SIN1b; SIN1g; Target of rapamycin complex 2 subunit MAPKAP1; Mitogen-activated protein kinase 2-associated protein 1; TORC2 subunit MAPKAP1; mitogen-activated protein kinase associated protein 1; anti-MAPKAP1 antibody

PRODUCT SPECIFICATIONS

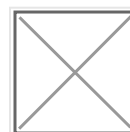
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MAPKAP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	522
Applicable Applications for anti-MAPKAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MAPKAP1 antibody was raised against a 18 amino acid synthetic peptide from near the center of human MAPKAP1.
Buffer	MAPKAP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MAPKAP1 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of MAPKAP1 in human skeletal muscle tissue with MAPKAP1 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of MAPKAP1 in human skeletal muscle tissue lysate with MAPKAP1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPKAP1 antibody	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/ric1r 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56788407
NCBI GeneID	79109
NCBI Accession #	NP_001006618
NCBI GenBank Nucleotide #	NM_001006617.1
UniProt Accession #	Q9BPZ7; Q00426; Q5JSV5; Q5JSV6; Q5JSV9; Q658R0; Q699U1; Q699U2; Q699U3; A8K1Z5; B1AMA4; B7Z309
Molecular Weight	41,838 Da
NCBI Official Full Name	target of rapamycin complex 2 subunit MAPKAP1 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase associated protein 1
NCBI Official Symbol	MAPKAP1
NCBI Official Synonym Symbols	MIP1; SIN1; JC310; SIN1b; SIN1g
NCBI Protein Information	target of rapamycin complex 2 subunit MAPKAP1; mSIN1; TORC2 subunit MAPKAP1; ras inhibitor MGC2745; SAPK-interacting protein 1; MEKK2-interacting protein 1; stress-activated protein kinase-interacting 1; stress-activated map kinase interacting protein 1; stress-activated map kinase-interacting protein 1; mitogen-activated protein kinase 2-associated protein 1
UniProt Protein Name	Target of rapamycin complex 2 subunit MAPKAP1
UniProt Gene Name	MAPKAP1
UniProt Synonym Gene Names	MIP1; SIN1; TORC2 subunit MAPKAP1; SAPK-interacting protein 1; mSIN1
UniProt Entry Name	SIN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.