Rabbit MAPKAP1 Polyclonal Antibody | anti-MAPKAP1 antibody

MAPKAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303642	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

MAPKAP1; Polyclonal Antibody; MAPKAP1 Antibody; Mitogen activated protein kinase associated protein 1; Sin1; stress-activated protein kinase-interacting protein 1; MIP1; anti-MAPKAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	522
Applicable Applications for anti-MAPKAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the amino terminus of human MAPKAP1.
Target Name	MAPKAP1
Preparation and Storage	Can be stored at -20 degree C, stable for 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 (Immunohiostchemistry)
Immunohistochemistry of MAPKAP1 in human skeletal muscle tissue with MAPKAP1 antibody at 2.5 ug/mL.

WB (Western Blot)
Western blot analysis of MAPKAP1 in human skeletal muscle tissue lysate with MAPKAP1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-MAPKAP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	56788407
NCBI GeneID	79109
NCBI Accession #	NP_001006618
NCBI GenBank Nucleotide #	NM_001006617.1
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
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.

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