

MAPKAP1 / MIP1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11696**Specification**

MAPKAP1 / MIP1 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q9BPZ7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59kDa KDa

MAPKAP1 / MIP1 Antibody (Internal) - Additional Information**Gene ID** 79109**Other Names**

Target of rapamycin complex 2 subunit MAPKAP1, TORC2 subunit MAPKAP1, Mitogen-activated protein kinase 2-associated protein 1, Stress-activated map kinase-interacting protein 1, SAPK-interacting protein 1, mSIN1, MAPKAP1, MIP1, SIN1

Target/Specificity

18 amino acid peptide from near the center of human MAPKAP1.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

MAPKAP1 / MIP1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

MAPKAP1 / MIP1 Antibody (Internal) - Protein Information**Name** MAPKAP1**Synonyms** MIP1, SIN1**Function**

Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'. Within mTORC2, MAPKAP1 is required for complex formation and mTORC2 kinase

activity. MAPKAP1 inhibits MAP3K2 by preventing its dimerization and autophosphorylation. Inhibits HRAS and KRAS signaling. Enhances osmotic stress-induced phosphorylation of ATF2 and ATF2-mediated transcription. Involved in ciliogenesis, regulates cilia length through its interaction with CCDC28B independently of mTORC2 complex.

Cellular Location

Cell membrane; Peripheral membrane protein. Cytoplasmic vesicle. Nucleus

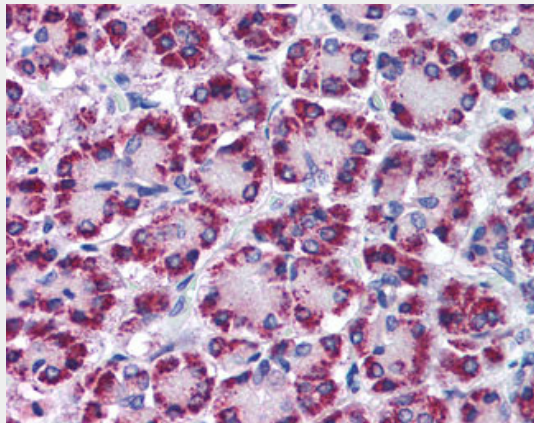
Tissue Location

Ubiquitously expressed, with highest levels in heart and skeletal muscle.

MAPKAP1 / MIP1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAPKAP1 / MIP1 Antibody (Internal) - Images

Anti-SIN1 antibody IHC of human pancreas.

MAPKAP1 / MIP1 Antibody (Internal) - Background

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