

MAPKAP1 Polyclonal antibody

Catalog Number: 20993-1-AP

Basic Information

Catalog Number:

20993-1-AP

Size:

310 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_024117

GeneID (NCBI):

79109

UNIPROT ID:

Q9BPZ7

Full Name:

mitogen-activated protein kinase
associated protein 1

Calculated MW:

59 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

MAPKAP1, also named as MIP1 and SIN1, belongs to the SIN1 family. It is a 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. Within mTORC2, MAPKAP1 is required for complex formation and mTORC2 kinase activity. MAPKAP1 inhibits MAP3K2 by preventing its dimerization and autophosphorylation. It inhibits HRAS and KRAS signaling. MAPKAP1 enhances osmotic stress-induced phosphorylation of ATF2 and ATF2-mediated transcription. The antibody is specific to MAPKAP1. The antibody can recognize all the isoform of MAPKAP1.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

