

For Research Use Only

# MAPKAP1 Polyclonal antibody

Catalog Number: 20993-1-AP



## Basic Information

|                                      |  |  |
|--------------------------------------|--|--|
| <b>Catalog Number:</b><br>20993-1-AP | <b>GenBank Accession Number:</b><br>NM_024117                              | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>310 µg/ml            | <b>GeneID (NCBI):</b><br>79109   |  |
| <b>Source:</b><br>Rabbit             | <b>UNIPROT ID:</b><br>Q9BPZ7   |  |
| <b>Isotype:</b><br>IgG               | <b>Full Name:</b><br>mitogen-activated protein kinase associated protein 1 |  |
|                                      | <b>Calculated MW:</b><br>59 kDa  |  |

## 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**

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

---

## Selected Validation Data