丝裂原活化蛋白激酶相关蛋白 1 抗体

产品货号： mlR17496

英文名称： MAPKAP1/SIN1

中文名称： 丝裂原活化蛋白激酶相关蛋白 1 抗体

别　　名： MAPKAP 1; MAPKAP1; MEKK2 interacting protein 1; MGC2745; MIP 1; MIP1; Mitogen activated protein kinase associated protein 1; Mitogen-activated protein kinase 2-associated protein 1; mSIN1; OTTHUMP00000064207; Ras inhibitor MGC2745; SAPK interacting protein 1; SAPK-interacting protein 1; SIN 1; SIN1_HUMAN; SIN1b; SIN1g; Stress activated map kinase interacting protein 1; Stress activated protein kinase interacting 1; Stress-activated map kinase-interacting protein 1; Target of rapamycin complex 2 subunit MAPKAP1; TORC2 subunit MAPKAP1.

研究领域： 细胞生物　信号转导　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep, Rhesus monkey, Gorilla, Orangutan, Platypus

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 30/50/65 (59)kDa

细胞定位： 细胞核 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MAPKAP1/SIN1:61-160/522

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ˚C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20˚C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ˚C.

PubMed： PubMed

产品介绍： This gene encodes a protein that is highly similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3' UTRs have been identified for transcripts of this gene. [provided by RefSeq, Jul 2008]

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.

Subcellular Location:

Cell membrane. Cytoplasmic vesicle. Nucleus.

Tissue Specificity:

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

Similarity:

Belongs to the SIN1 family.

SWISS:

Q9BPZ7

Gene ID:

79109

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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