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Datasheet for ABIN7171521

anti-MAPKAP1 antibody (AA 1-290)



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Quantity:	100 μL
Target:	MAPKAP1
Binding Specificity:	AA 1-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Target of rapamycin complex 2 subunit MAPKAP1 protein (1-290AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	MAPKAP1
Alternative Name:	MAPKAP1 (MAPKAP1 Products)
Background:	Background: 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.

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

UniProt:

Q9BPZ7

Pathways:

PI3K-Akt Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling Events

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

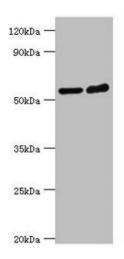
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot All lanes: Target of rapamycin complex 2 subunit MAPKAP1 antibody at 2 µg/mL Lane 1: Hela whole cell lysate Lane 2: MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit lgG at 1/10000 dilution Predicted band size: 60, 55, 54, 38, 37, 42 kDa Observed band size: 60 kDa