

Datasheet for ABIN6991975
anti-MAPKSP1 antibody (AA 40-90)



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Overview

Quantity:	0.1 mg
Target:	MAPKSP1
Binding Specificity:	AA 40-90
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKSP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	LAMTOR3 antibody was raised against an 15 amino acid peptide near the center of human LAMTOR3. The immunogen is located within amino acids 40 - 90 of LAMTOR3.
Isotype:	IgG
Specificity:	LAMTOR3 antibody is human, mouse and rat reactive. At least two isoforms of LAMTOR3 are known to exist, this antibody will detect both isoforms. LAMTOR3 antibody is predicted to not cross-react with other LAMTOR family proteins.
Purification:	LAMTOR3 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MAPKSP1
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Target Details

Alternative Name:	LAMTOR3 (MAPKSP1 Products)
Background:	The late endosomal/lysosomal adaptor MAPK and MTOR activator 3 (LAMTOR3) protein belongs to the LAMTOR family of proteins, and together with LAMTOR2 and the MAPK1 and ERK kinase 1 (MEK1) localizes to late endosomes where it is required for the efficient activation of ERK signaling (1,2). This complex is involved in the regulation of late endosomal traffic and cellular proliferation (3) and plays a role in cellular host defense against Salmonella infection (4).
Molecular Weight:	Predicted: 14 kDa Observed: 13 kDa
Gene ID:	8649
NCBI Accession:	NP_068805
UniProt:	Q9UHA4
Pathways:	PI3K-Akt Signaling

Application Details

Application Notes:	LAMTOR3 antibody can be used for detection of LAMTOR3 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LAMTOR3 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: LAMTOR3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.