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Datasheet for ABIN1704129
anti-MAPKSP1 antibody (AA 5-100) (Cy5)

Overview

Quantity:	100 µL
Target:	MAPKSP1
Binding Specificity:	AA 5-100
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKSP1 antibody is conjugated to Cy5
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MAP2K1IP1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Chicken,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	MAPKSP1
Alternative Name:	Map2k1ip1 (MAPKSP1 Products)

Target Details

Background: Synonyms: LAMTOR3, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 3, LTOR3_HUMAN, MAP2K1IP1, MEK binding partner 1, MEK partner 1, MEK-binding partner 1, Mitogen activated protein kinase kinase 1 interacting protein 1, Mitogen-activated protein kinase kinase 1-interacting protein 1, Mitogen-activated protein kinase scaffold protein 1, MP1, Ragulator complex protein LAMTOR3.

Background: This gene encodes a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 13. [provided by RefSeq, Aug 2011]

Pathways: [PI3K-Akt Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months