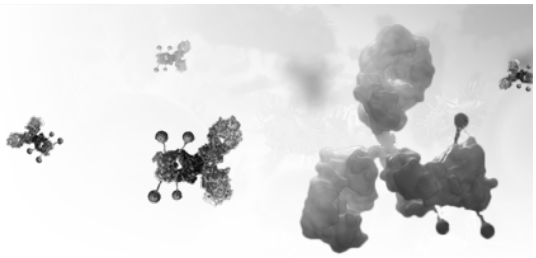

Mouse anti-Human LAMTOR3 monoclonal antibody, clone 3B5 (CABT-B10545)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	MAPKSP1 (NP_068805, 1 a.a. ~ 88 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3B5
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MADDLKRFLYKKLPSVEGLHAIVVSDRDGVPVIKVANDNAPEHALRPGFLSTFALATDQG SKLGLSKNKSIICYYNTYQVVQFNRLP*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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-

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	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]
Keywords	LAMTOR3; late endosomal/lysosomal adaptor, MAPK and MTOR activator 3; MP1; MAPBP; MAPKSP1; PRO0633; MAP2K1IP1; Ragulator3; ragulator complex protein LAMTOR3; MEK binding partner 1; MAPK scaffold protein 1; mitogen-activated protein kinase scaffold protein 1; late endosomal/lysosomal adaptor and MAPK and MTOR activator 3; mitogen-activated protein kinase kinase 1 interacting protein 1;

GENE INFORMATION

Entrez Gene ID	8649
UniProt ID	Q9UHA4
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem
Function	protein binding

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