

Rabbit Anti-ROBLD3 antibody

SL13705R

Product Name:	ROBLD3
Chinese Name:	胞内接头蛋白P14抗体
Alias:	 ENDAP; Endosomal adaptor protein p14; HSPC003; LAMTOR2; Late endosomal/lysosomal adaptor and MAPK and MTOR activator 2; Late endosomal/lysosomal Mp1 interacting protein; Late endosomal/lysosomal Mp1-interacting protein; LTOR2_HUMAN; MAPBPIP; MAPKSP1 adaptor protein; MAPKSP1AP; Mitogen activated protein binding protein interacting protein; Mitogen-activated protein-binding protein-interacting protein; p14; Ragulator complex protein LAMTOR2; Ragulator2; Roadblock domain containing 3; Roadblock domain containing protein 3; ROBLD 3; RP11 336K24.9.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100- 500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ROBLD3:3-100-125
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
	MP1 (MEK partner 1) functions as a scaffolding protein in the mitogen activated
	protein (MAP) kinase signaling pathway. Growth factor induced MAP kinase activation
	is selectively mediated by the extracellular signal-regulated kinase (ERK) cascade.
	MAPBPIP (mitogen-activated protein-binding protein-interacting protein), also known
	as p14 and late endosomal/lysosomal MP1-interacting protein, functions as an adaptor
	protein augmenting the regulation of the MAP kinase cascade. Partner proteins
	MAPBPIP and MPT are structurally almost identical each with a five-stranded J-sheet
	Tianked between a two-nelix and one-nelix layer. MAPBPIP compels the recruitment of
	for EDV activation on and a same Knowledown of the individual proteins in the
	MD1/MADD DID complex resulted in decreased expression of the partner proteins which
	implies greater stability of the beterodimeric complex than either MP1 or MAPBPIP
	individually Farly research suggests the MP1-MAPBPIP-MEK-1 signaling complex
	may be critical in the regulation of tissue homeostasis
	Function:
	As part of the Ragulator complex it is involved in amino acid sensing and activation of
	mTORC1, a signaling complex promoting cell growth in response to growth factors,
	energy levels, and amino acids. Activated by amino acids through a mechanism
	involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide
	exchange factor activating the small GTPases Rag. Activated Ragulator and Rag
Product Detail:	GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn
i i ouuce Detuni.	activated. Adapter protein that enhances the efficiency of the MAP kinase cascade
	facilitating the activation of MAPK2.
	Subcollular Location:
	Late endosome membrane. Lysosome membrane
	Tissue Specificity:
	Defects in LAMTOR2 are the cause of immunodeficiency due to defect in MAPBP-
	interacting protein (ID-MAPBPIP) [MIM:610798]. This form of primary
	immunodeficiency syndrome includes congenital neutropenia, partial albinism, short
	stature and B-cell and cytotoxic T-cell deficiency.
	Similarity:
	Belongs to the GAMAD family.
	SWISS:
	Q9Y2Q5
	Gene ID:
	20730
	Database links:

Entrez Gene: 28956 Human
<u>Omim: 610389</u> Human
<u>SwissProt: Q9Y2Q5</u> Human
<u>Unigene: 632483</u> Human
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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