

Human Regulator Complex Protein LAMTOR3 (MAPKSP1) ELISA Kit | MAPKSP1 elisa kit

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CATALOG #
AAA331874

REACTIVITY
Human

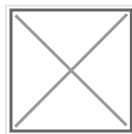
PRODUCT SYNONYMS

Regulator Complex Protein LAMTOR3 (MAPKSP1); Human Regulator Complex Protein LAMTOR3 (MAPKSP1) ELISA Kit; MAPKSP1; MAP2K1IP1; MAPBP; MP1; MEK binding partner 1; MEK partner 1; PRO0633; mitogen-activated protein kinase kinase 1 interacting protein 1; MAPKSP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Regulator complex protein LAMTOR3 (MAPKSP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPKSP1. No significant cross-reactivity or interference between Human MAPKSP1 and analogues was observed.
Sequence Length	124
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Regulator complex protein LAMTOR3 (MAPKSP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPKSP1 elisa kit	Description: This Human Ragulator complex protein LAMTOR3 (MAPKSP1) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPKSP1 in samples. An antibody specific for MAPKSP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPKSP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPKSP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAPKSP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mitogen-activated protein kinase scaffold protein 1 is an enzyme identified as an interacting protein that binds specifically to MAP kinase kinase MAP2K1/MEK1 and to MAP kinase MAPK2/ERK1. This protein enhances the activation of MAPK2, and thus is thought to function as an adaptor to enhance the efficiency of the MAP kinase cascade. When overexpressed in cultured cells, MP1 enhanced activation of ERK1 and activation of a reporter driven by the transcription factor ELK1. Expression of MP1 in cells increased binding of ERK1 to MEK1. MP1 apparently functions as an adaptor to enhance the efficiency of the MAP kinase cascade. The mTORC1 kinase promotes growth in response to growth factors, energy levels, and amino acids, and its activity is often deregulated in disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24418562
NCBI GeneID	8649
UniProt Accession #	Q9UHA4
NCBI Official Full Name	Ragulator complex protein LAMTOR3
NCBI Official Synonym Full Names	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3
NCBI Official Symbol	LAMTOR3
NCBI Official Synonym Symbols	MP1; MAPBP; MAPKSP1; PRO0633; MAP2K1IP1; Ragulator3
NCBI Protein Information	ragulator complex protein LAMTOR3
UniProt Protein Name	Ragulator complex protein LAMTOR3
UniProt Gene Name	LAMTOR3
UniProt Synonym Gene Names	MAP2K1IP1; MAPKSP1; Mp1
UniProt Entry Name	LTOR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ragulator-complex-protein-lamtor3-mapksp1/331874>