Ras Homolog Gene Family, Memmber B (RHOB) ELISA Kit for Cavy

PRODUCT OVERVIEW

Product Name	Ras Homolog Gene Family, Memmber B (RHOB), ELISA Kit
Full Product Name	Cavy Ras Homolog Gene Family, Memmber B ELISA Kit
Product Gene Name	RHOB elisa kit
Species Reactivity	Cavy
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	22,123 Da
OMIM	165370
3D Structure	ModBase 3D Structure for P62745
Related Product Information for RHOB elisa kit	MBS042871 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ras Homolog Gene Family, Memmber B (RHOB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing RHOB. The ELISA analytical biochemical technique of the MBS042871 kit is based on RHOB antibody-RHOB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect RHOB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, RHOB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of RHOB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHOB. It may not necessarily be applicable to this product.

NCBI GI #	4757764
NCBI GeneID	388
NCBI Accession #	NP_004031.1
UniProt Primary Accession #	P62745
UniProt Secondary Accession #	P01121; Q5U0H6; Q7RTN5; Q7RTR9; Q9CUV7; B2R692
UniProt Related Accession #	P62745
GenBank Nucleotide #	NM_004040.2
NCBI Official Full Name	rho-related GTP-binding protein RhoB
NCBI Official Synonym Full Names	ras homolog family member B
NCBI Official Symbol	RHOB
NCBI Official Synonym Symbols	ARH6; ARHB; RHOH6; MST081; MSTP081
UniProt Protein Name	Rho-related GTP-binding protein RhoB
UniProt Synonym Protein Names	Rho cDNA clone 6

Protein Family	Rho-related GTP-binding protein
UniProt Gene Name	RHOB
UniProt Synonym Gene Names	ARH6; ARHB; h6
UniProt Entry Name	RHOB_HUMAN
NCBI Protein Information	rho-related GTP-binding protein RhoB; h6; oncogene RHO H6; rho cDNA clone 6; Aplysia RAS-related homolog 6; ras homolog gene family, member B
UniProt Comments for RHOB	RHOB: a small G protein of the Rho family. Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Controls the reorganization of actins into podosomes. Serves as a target for the yopT cysteine peptidase from Yersinia pestis, vector of the plague, and Yersinia pseudotuberculosis, which causes gastrointestinal disorders. Protein type: Motility/polarity/chemotaxis; Tumor suppressor; G protein; G protein, monomeric; G protein, monomeric, Rho Chromosomal Location of Human Ortholog: 2p24 Cellular Component: focal adhesion; late endosome membrane; early endosome; plasma membrane; endosome membrane; nucleus; cytosol; cleavage furrow Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding Biological Process: axon guidance; platelet activation; transformed cell apoptosis; positive regulation of apoptosis; apoptosis; metabolic process; cytokinesis; Rho protein signal transduction; negative regulation of cell cycle; intracellular protein transport; regulation of small GTPase mediated signal transduction; positive regulation of angiogenesis; small GTPase mediated signal transduction; endosome to lysosome transport; angiogenesis; cell adhesion; blood coagulation
Research Articles on RHOB	**1.** RhoA is important for maintenance of cell differentiation and RhoB protects cells from malignant cervical neoplasia.
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