RHO B Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Rho B, Polyclonal Antibody
Full Product Name	Rho B Polyclonal Antibody
Product Gene Name	anti-Rho B antibody
Clonality	Polyclonal
Molecular Weight	22,123 Da
OMIM	165370
3D Structure	ModBase 3D Structure for P62745
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Rho B antibody	MBS8525059 is an antibody targeting Rho B. Also known as Rho B Polyclonal Antibody.
Other Notes	Small volumes of anti-Rho B antibody 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 Rho B. 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_004040.3
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; h6
Protein Family	Rho beta-crystallin
UniProt Gene Name	RHOB
UniProt Synonym Gene Names	ARH6; ARHB; h6
NCBI Protein Information	rho-related GTP-binding protein RhoB

UniProt Comments for Rho B	Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.
Research Articles on Rho B	**1.** data demonstrate the direct roles of miR-19a and miR-19b on the repression of RhoB and its consequences on tumorigenesis, cancer cell proliferation and invasiveness
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