RHOU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RHOU, Polyclonal Antibody
Full Product Name	RHOU Antibody, Biotin conjugated
Product Gene Name	anti-RHOU antibody
Product Synonym Names	Rho-related GTP-binding protein RhoU; CDC42-like GTPase 1; GTP-binding protein-like 1; Rho GTPase-like protein ARHU; Ryu GTPase; Wnt-1 responsive Cdc42 homolog 1; WRCH-1; RHOU
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: RHOU (MBS7107339) Biotin Conjugated Antibody: RHOU (MBS7107342)
Molecular Weight	22,164 Da
OMIM	AF378087 mRNA
3D Structure	ModBase 3D Structure for Q7L0Q8
Immunogen	Recombinant Human Rho-related GTP-binding protein RhoU protein (1-48AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-RHOU antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RHOU antibody	ELISA (EIA)
Related Product Information for anti-RHOU antibody	Acts upstream of PAK1 to regulate the actin cytoskeleton, adhesion turnover and increase cell migration. Stimulates quiescent cells to reenter the cell cycle. Has no detectable GTPase activity but its high intrinsic guanine nucleotide exchange activity suggests it is constitutively GTP-bound. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape.
Other Notes	Small volumes of anti-RHOU 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.
Searchable Terms for RHOU purchase	MBS7107342 is an antibody targeting RHOU. Also known as RHOU Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	11034843
NCBI GeneID	58480
NCBI Accession #	NP_067028.1
UniProt Primary Accession #	Q7L0Q8
UniProt Secondary Accession #	Q59FE9; Q8TDQ2; B1AKN1
UniProt Related Accession #	Q7L0Q8
GenBank Nucleotide #	NM_021205.5
NCBI Official Full Name	rho-related GTP-binding protein RhoU
NCBI Official Synonym Full Names	ras homolog family member U
NCBI Official Symbol	RHOU
NCBI Official Synonym Symbols	ARHU; G28K; WRCH1; hG28K; CDC42L1
UniProt Protein Name	Rho-related GTP-binding protein RhoU
UniProt Synonym Protein Names	CDC42-like GTPase 1; GTP-binding protein-like 1; Rho GTPase-like protein ARHU; Ryu GTPase; Wnt-1 responsive Cdc42 homolog 1; WRCH-1
Protein Family	Rho-related GTP-binding protein
UniProt Gene Name	RHOU
UniProt Synonym Gene Names	WRCH-1
NCBI Protein Information	rho-related GTP-binding protein RhoU
NCBI Summary for RHOU	This gene encodes a member of the Rho family of GTPases. This protein can activate PAK1 and JNK1, and can induce filopodium formation and stress fiber dissolution. It may also mediate the effects of WNT1 signaling in the regulation of cell morphology, cytoskeletal organization, and cell proliferation. A non-coding transcript variant of this gene results from naturally occurring read-through transcription between this locus and the neighboring DUSP5P (dual specificity phosphatase 5 pseudogene) locus.[provided by RefSeq, Mar 2011]
Research Articles on RHOU	**1.** This review addresses the developmental roles of 2 GTPases of the Rho family, RhoV/Chp and RhoU/Wrch.
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