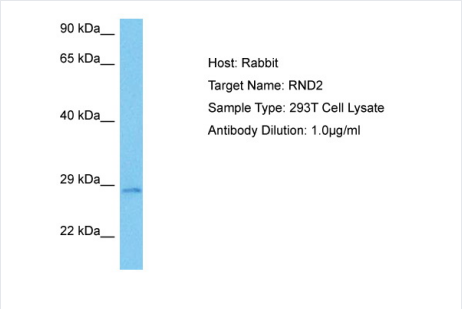
RND2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RND2, Polyclonal Antibody
Full Product Name	RND2 Antibody - middle region
Product Gene Name	anti-RND2 antibody
Product Synonym Gene Name	ARHN; RHO7; RhoN
Immunogen Sequence	Synthetic peptide located within the following region: VATVASLGRG HRQLRRTDSR RGMQRSAQLS GRPDRGNEGE IHKDRAKSCN
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RND2 peptide (MBS3247231) is used for blocking the activity of RND2 antibody (MBS3222563)
Molecular Weight	25 kDa
OMIM	601555
3D Structure	ModBase 3D Structure for P52198
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human RND2
Product Categories/Family for anti-RND2 antibody	Polyclonal; Cancer; Neurobiology; Growth Factors & Hormones; Membrane & Traffic
Applications Tested/Suitable for anti-RND2 antibody	Western Blot (WB)
Related Product Information for anti-RND2 antibody	This gene encodes a member of the Rho GTPase family, whose members play a key role in the regulation of actin cytoskeleton organization in response to extracellular growth factors. This particular family member has been implicated in the regulation of neuronal morphology and endosomal trafficking. The gene localizes to chromosome 17 and is the centromeric neighbor of the breast-ovarian cancer susceptibility gene BRCA1.
Other Notes	Small volumes of anti-RND2 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 RND2 purchase	MBS3222563 is an antibody targeting RND2. Also known as RND2 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RND2 antibody
Host: RabbitTarget Name: RND2Sample Tissue: Human 293T Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RND2. It may not necessarily be applicable to this product.

NCBI GI #	4885581
NCBI GeneID	8153
NCBI Accession #	NP_005431.1
UniProt Primary Accession #	P52198
UniProt Related Accession #	P52198
GenBank Nucleotide #	NM_005440.4
NCBI Official Full Name	rho-related GTP-binding protein RhoN
NCBI Official Synonym Full Names	Rho family GTPase 2
NCBI Official Symbol	RND2
NCBI Official Synonym Symbols	ARHN; RHO7; RhoN
UniProt Protein Name	Rho-related GTP-binding protein RhoN
UniProt Synonym Protein Names	Rho family GTPase 2; Rho-related GTP-binding protein Rho7; Rnd2
Protein Family	Rho-related GTP-binding protein
UniProt Gene Name	RND2
UniProt Synonym Gene Names	ARHN; RHO7
UniProt Entry Name	RND2_HUMAN
NCBI Protein Information	rho-related GTP-binding protein RhoN
UniProt Comments for RND2	RND2: May be specifically involved in neuronal and hepatic functions. Is a C3 toxin-insensitive member of the Rho subfamily. Belongs to the small GTPase superfamily. Rho family. Protein type: G protein, monomeric; G protein; G protein, monomeric, Rho Chromosomal Location of Human Ortholog: 17q21 Cellular Component: early endosome; acrosomal membrane Molecular Function: GTPase activity; protein binding; GTP binding; protein N-terminus binding Biological Process: metabolic process; small GTPase mediated signal transduction; signal transduction; positive regulation of collateral sprouting

Research Articles on RND2	**1.** Rho7 expression was increased in the neurons of patients with IE compared with control samples, which indicated that Rho7 may be associated with the progression of IE or act as a potential target for IE treatment.
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