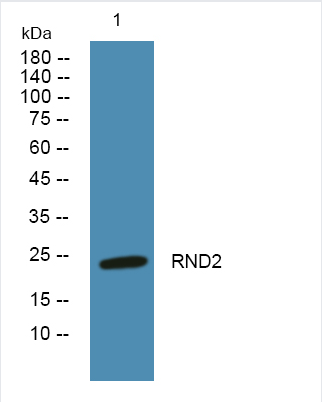
RND2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RND2, Polyclonal Antibody
Full Product Name	RND2 Rabbit Polyclonal Antibody
Product Gene Name	anti-RND2 antibody
Product Synonym Gene Name	RND2, ARHN, RHO7
Product Synonym Names	BH6842; Rho-related GTP-binding protein RhoN (Rho family GTPase 2)(Rho-related GTP-binding protein Rho7)(Rnd2)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	RND2 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	25,369 Da
OMIM	601555
3D Structure	ModBase 3D Structure for P52198
Immunogen	Synthesized peptide derived from human protein. at AA range: 140-220
Modification	Unmodified/Total
Applications Tested/Suitable for anti-RND2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RND2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
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. [provided by RefSeq, Jul 2008]
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	MBS9516683 is an antibody targeting RND2. Also known as RND2 Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-RND2 antibody
Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4 degree over night

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 Secondary Accession #	O00690; O00734; Q5U0P6; Q99535; A8K2D4
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.** Rnd2 regulates neurite outgrowth by functioning as the RhoA activator through Pragmin, in contrast to Rnd1 and Rnd3 inhibiting RhoA signaling
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