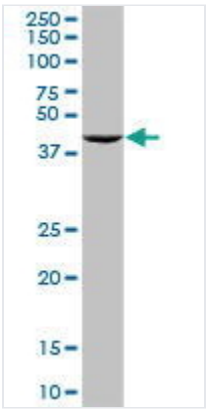
RNH1 Antibody – Rabbit Polyclonal

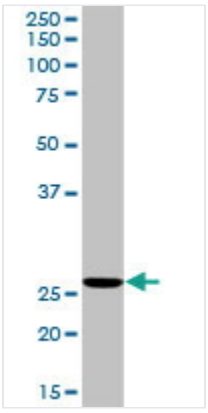
PRODUCT OVERVIEW

Product Name	RNH1, Polyclonal Antibody
Full Product Name	RNH1 (Ribonuclease Inhibitor, Placental Ribonuclease Inhibitor, Placental RNase Inhibitor, Ribonuclease/Angiogenin Inhibitor 1, RAI, PRI, RNH) (FITC
Product Gene Name	anti-RNH1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RNH1. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	49,973 Da
OMIM	173320
3D Structure	ModBase 3D Structure for P13489
Immunogen	Full length human RNH1, aa1-461 (NP_002930.2).
Immunogen Sequence	MSLDIQSLDIQCEELSDARWAELLPLLQQCQVVRLDDCGLTEARCKDISSALRVNPALAELNLRSNELGDVGVHCVLQGLQTPSCKIQKLSLQNCCLTGAG
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-RNH1 antibody	Antibodies; Enzymes; Ribonuclease
Applications Tested/Suitable for anti-RNH1 antibody	Western Blot (WB)
Application Notes for anti-RNH1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RNH1 antibody	Ribonuclease inhibitor 1 (RNH1) the placental ribonuclease inhibitor, is an acid protein with a molecular weight of 50kD. RNH1 is a member of a family
Other Notes	Small volumes of anti-RNH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

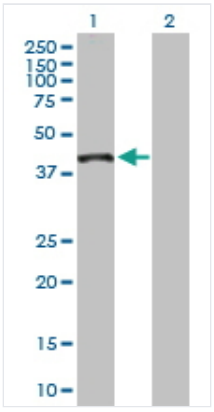
Searchable Terms for RNH1 purchase	MBS6392796 is an antibody targeting RNH1. Also known as RNH1 (Ribonuclease Inhibitor, Placental Ribonuclease Inhibitor, Placental RNase Inhibito



Western Blot (WB) of anti-RNH1 antibody
RNH1 rabbit polyclonal antibody. Western Blot analysis of RNH1 expression in human liver.



Western Blot (WB) of anti-RNH1 antibody
RNH1 rabbit polyclonal antibody. Western Blot analysis of RNH1 expression in mouse spleen.



Western Blot (WB) of anti-RNH1 antibody
Western Blot analysis of RNH1 expression in transfected 293T cell line by RNH1 polyclonal antibody. Lane 1: RNH1 transfected lysate (50.0kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNH1. It may not necessarily be applicable to this product.

NCBI GI #	21361547
NCBI GeneID	6050
NCBI Accession #	NP_002930.2
UniProt Primary Accession #	P13489
UniProt Secondary Accession #	Q8IZK8; Q96FD7; Q9BQ80; Q9UDK6
UniProt Related Accession #	P13489
GenBank Nucleotide #	NM_002939.3
NCBI Official Full Name	ribonuclease inhibitor
NCBI Official Synonym Full Names	ribonuclease/angiogenin inhibitor 1
NCBI Official Symbol	RNH1
NCBI Official Synonym Symbols	RAI; RNH
UniProt Protein Name	Ribonuclease inhibitor

UniProt Synonym Protein Names	Placental ribonuclease inhibitor; Placental RNase inhibitor; Ribonuclease/angiogenin inhibitor 1
Protein Family	Probable ribonuclease
UniProt Gene Name	RNH1
UniProt Synonym Gene Names	PRI; RNH; Placental RNase inhibitor; RAI
UniProt Entry Name	RINI_HUMAN
NCBI Protein Information	ribonuclease inhibitor
NCBI Summary for RNH1	Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM 105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo.[supplied by OMIM, Jul 2010]
UniProt Comments for RNH1	RNH1: Ribonuclease inhibitor which inhibits RNASE1, RNASE2 and ANG. May play a role in redox homeostasis. Protein type: Inhibitor Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: angiogenin-PRI complex; cytoplasm Molecular Function: protein binding; ribonuclease inhibitor activity Biological Process: negative regulation of catalytic activity; mRNA catabolic process; regulation of angiogenesis
Research Articles on RNH1	**1.** a novel mechanism of ANG in regulating PI3K/AKT/mTOR signaling pathway via RI, is reported.
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