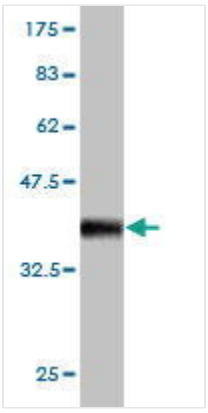
RIN2 Antibody – Mouse Monoclonal

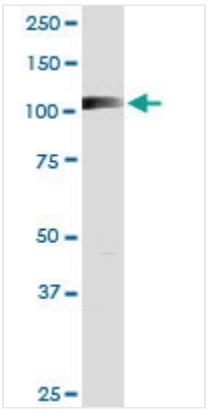
PRODUCT OVERVIEW

Product Name	RIN2, Monoclonal Antibody
Full Product Name	RIN2 (Ras and Rab Interactor 2, MACS, Ras Association Domain Family 4, RASSF4, Ras Inhibitor JC265, Ras Interaction/interference Protein 2) (HRP
Product Gene Name	anti-RIN2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1E7
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RIN2.
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 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be r assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, ce the original vial after thawing and prior to removing the cap.
OMIM	610222
3D Structure	ModBase 3D Structure for Q8WYP3
Immunogen	Partial recombinant corresponding to aa786-895 from human RIN2 (NP_061866) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DFQNYLRVAFQEVNSGCTGKTLLVRPYITTEDVCQICAEKFKVGDPEEYSLFLFVDETWQQLAEDTYPQKIKAELHSRPQPHIFHFVYKRIKNDPYGIIFQN
Conjugate	HRP
Product Categories/Family for anti-RIN2 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RIN2 antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-RIN2 antibody	IHC-P: 1.5ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-RIN2 antibody	MBS6154641 is an antibody targeting RIN2. Also known as RIN2 (Ras and Rab Interactor 2, MACS, Ras Association Domain Family 4, RASSF4, Ras JC265, Ras Interaction/interference Protein 2) (HRP). Reactive in Human. Host: Mouse.

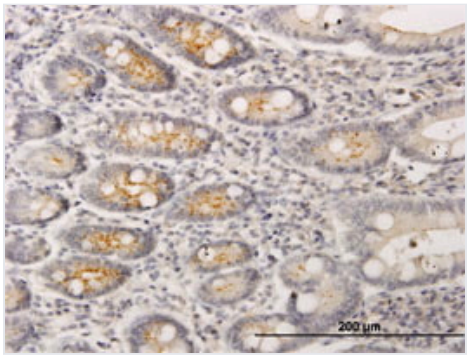
Other Notes	Small volumes of anti-RIN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional fee may apply.



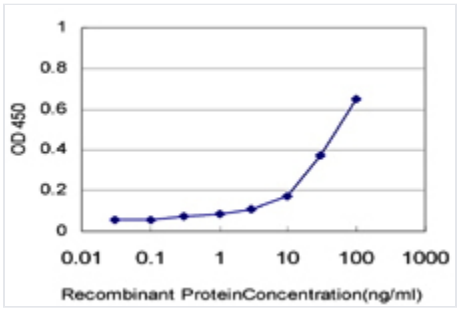
Western Blot (WB) of anti-RIN2 antibody
Western Blot detection against Immunogen (38.1kD).



Western Blot (WB) of anti-RIN2 antibody
RIN2 monoclonal antibody. Western Blot analysis of RIN2 expression in human liver.



Immunohistochemistry (IHC) of anti-RIN2 antibody
Immunoperoxidase of monoclonal antibody to RIN2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5ug/ml].



Testing Data of anti-RIN2 antibody
Detection limit for recombinant GST tagged RIN2 is ~1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RIN2. It may not necessarily be applicable to this product.

NCBI GI #	18466802
NCBI GeneID	54453
NCBI Accession #	NP_061866
UniProt Primary Accession #	Q8WYP3
UniProt Related Accession #	Q8WYP3
GenBank Nucleotide #	NM_018993
NCBI Official Full Name	ras and Rab interactor 2 isoform 2
NCBI Official Synonym Full Names	Ras and Rab interactor 2
NCBI Official Symbol	RIN2
NCBI Official Synonym Symbols	MACS; RASSF4
UniProt Protein Name	Ras and Rab interactor 2
UniProt Synonym Protein Names	Ras association domain family 4; Ras inhibitor JC265; Ras interaction/interference protein 2
Protein Family	E3 ubiquitin protein ligase

UniProt Gene Name	RIN2
UniProt Synonym Gene Names	RASSF4
UniProt Entry Name	RIN2_HUMAN
NCBI Protein Information	ras and Rab interactor 2
NCBI Summary for RIN2	The RAB5 protein is a small GTPase involved in membrane trafficking in the early endocytic pathway. The protein encoded by this gene binds the GTP-bound form of the RAB5 protein preferentially over the GDP-bound form, and functions as a guanine nucleotide exchange factor for RAB5. The encoded protein is found primarily as a tetramer in the cytoplasm and does not bind other members of the RAB family. Mutations in this gene cause macrocephaly alopecia cutis laxa and scoliosis (MACS) syndrome, an elastic tissue disorder, as well as the related connective tissue disorder, RIN2 syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]
Research Articles on RIN2	**1.** Rab5 as a novel regulator of calpain2 activity and focal adhesion proteolysis leading to cell migration
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Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/rin2/6154641