RHBDL2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	RHBDL2, Monoclonal Antibody
Full Product Name	RHBDL2 (Rhomboid-like Protein 2, Rhomboid-related Protein 2, RRP2) (MaxLight 490)
Product Gene Name	anti-RHBDL2 antibody
Product Synonym Names	EC=3.4.21.105; MGC16997
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2H1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RHBDL2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40kDa
3D Structure	ModBase 3D Structure for B3KUN4
Immunogen	Partial recombinant corresponding to aa1-73 from human RHBDL2 (NP_060291) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAAVHDLEMESMNLNMGREMKEELEEEEKMREDGGGKDRAKSKKVHRIVSKWMLPEKSRGTYLERANCFPPP
Conjugate	MaxLight490
Product Categories/Family for anti-RHBDL2 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RHBDL2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-RHBDL2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RHBDL2 antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Other Notes	Small volumes of anti-RHBDL2 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 RHBDL2 purchase	MBS6202953 is an antibody targeting RHBDL2. Also known as RHBDL2 (Rhomboid-like Protein 2, Rhomboid-related Protein 2, RRP2) (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHBDL2. It may not necessarily be applicable to this product.

NCBI GI #	54144654
NCBI GeneID	54933
NCBI Accession #	NP_060291
UniProt Primary Accession #	B3KUN4
UniProt Related Accession #	Q9NX52
GenBank Nucleotide #	NM_017821
NCBI Official Full Name	rhomboid-related protein 2 isoform 2
NCBI Official Synonym Full Names	rhomboid like 2
NCBI Official Symbol	RHBDL2
NCBI Official Synonym Symbols	RRP2
NCBI Protein Information	rhomboid-related protein 2
NCBI Summary for RHBDL2	The protein encoded by this gene is a member of the rhomboid family of integral membrane proteins. This family contains proteins that are related to Drosophila rhomboid protein. Members of this family are found in both prokaryotes and eukaryotes and are thought to function as intramembrane serine proteases. The encoded protein is thought to release soluble growth factors by proteolytic cleavage of certain membrane-bound substrates, including ephrin B2 and ephrin B3. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2015]
Research Articles on RHBDL2	**1.** Thrombomodulin and RHBDL2 are upregulated in human HaCaT cells stimulated by scratch wounds; furthermore, increased solulbe thrombomodulin was found in culture medium.
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