GRPEL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GRPEL2, Polyclonal Antibody
Full Product Name	GRPEL2
Product Gene Name	anti-GRPEL2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	25kDa
3D Structure	ModBase 3D Structure for Q8TAA5
Immunogen	Recombinant protein of human GRPEL2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GRPEL2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GRPEL2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100
Related Product Information for anti-GRPEL2 antibody	MBS8536700 is an antibody targeting GRPEL2. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-GRPEL2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRPEL2. It may not necessarily be applicable to this product.

NCBI GI #	40255109
NCBI GeneID	134266
NCBI Accession #	NP_689620.2
UniProt Primary Accession #	Q8TAA5
UniProt Secondary Accession #	Q49AJ6; B4DFA6
UniProt Related Accession #	Q8TAA5
GenBank Nucleotide #	NM_152407.3
NCBI Official Full Name	grpE protein homolog 2, mitochondrial

NCBI Official Synonym Full Names	GrpE like 2, mitochondrial
NCBI Official Symbol	GRPEL2
NCBI Official Synonym Symbols	Mt-GrpE#2
UniProt Protein Name	GrpE protein homolog 2, mitochondrial
UniProt Synonym Protein Names	Mt-GrpE#2
Protein Family	GrpE protein
UniProt Gene Name	GRPEL2
NCBI Protein Information	grpE protein homolog 2, mitochondrial
UniProt Comments for GRPEL2	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins. Stimulates ATPase activity of mt-HSP70. May also serve to modulate the interconversion of oligomeric (inactive) and monomeric (active) forms of mt-HSP70 ().
Research Articles on GRPEL2	**1.** Data suggest that two putative NEF (nucleotide exchange factors) orthologs, GRPEL1 and GRPEL2, modulate function of mitochondrial HSP70 (mtHSP70); both GRPEL1 and GRPEL2 associate with mtHSP70 as hetero-oligomeric subcomplex and regulate mtHSP70 transport. (GRPEL = mitochondrial GrpE-like protein; HSP70 = heat-shock protein 70)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/grpel2/8536700