IREB2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IREB2, Polyclonal Antibody
Full Product Name	Anti-IREB2 Antibody
Product Gene Name	anti-IREB2 antibody
Product Synonym Names	Iron-responsive element-binding protein 2; IRE-BP 2; Iron regulatory protein 2; IRP2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	37,487 Da
OMIM	147582
3D Structure	ModBase 3D Structure for P48200
Immunogen	Recombinant protein corresponding to human IREB2. The exact sequence is proprietary.
Product Categories/Family for anti-IREB2 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IREB2 antibody	Western Blot (WB), Immunofluorescence (IF), Immunochemistry (IC),
Related Product Information for anti-IREB2 antibody	MBS4514287 is an antibody targeting IREB2. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-IREB2 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 IREB2. It may not necessarily be applicable to this product.

NCBI GI #	41352693
NCBI GeneID	3658
NCBI Accession #	NP_004127.1
UniProt Primary Accession #	P48200
UniProt Secondary Accession #	Q811J3; Q62751
UniProt Related Accession #	P48200

GenBank Nucleotide #	NM_004136.2
NCBI Official Full Name	iron-responsive element-binding protein 2
NCBI Official Synonym Full Names	iron-responsive element binding protein 2
NCBI Official Symbol	IREB2
NCBI Official Synonym Symbols	ACO3; IRP2; IRP2AD
UniProt Protein Name	Iron-responsive element-binding protein 2
UniProt Synonym Protein Names	Iron regulatory protein 2; IRP2
Protein Family	Iron-responsive element-binding protein
UniProt Gene Name	IREB2
UniProt Synonym Gene Names	IRE-BP 2; IRP2
UniProt Entry Name	IREB2_HUMAN
NCBI Protein Information	iron-responsive element-binding protein 2; IRE-BP 2; iron regulatory protein 2
UniProt Comments for IREB2	IREB2: RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'- UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3'-UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA. Belongs to the aconitase/IPM isomerase family. Protein type: RNA-binding; Translation Chromosomal Location of Human Ortholog: 15q25.1 Cellular Component: mitochondrion; cytoplasm; cytosol Molecular Function: protein binding; iron-responsive element binding; translation repressor activity; RNA binding; metal ion binding; 4 iron, 4 sulfur cluster binding Biological Process: erythrocyte homeostasis; response to retinoic acid; cellular iron ion homeostasis; negative regulation of translation; response to iron(II) ion; osteoclast differentiation; iron ion transport; protoporphyrinogen IX biosynthetic process; intestinal absorption; aging; post-embryonic development
Research Articles on IREB2	**1.** IRE2 is located within genes previously associated with chronic obstructive pulmonary disease susceptibility.
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.
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