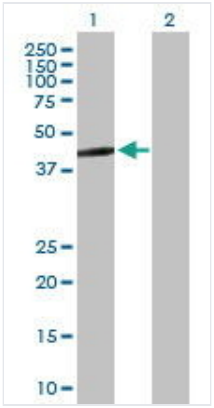
ERAL1 Antibody – Mouse Polyclonal

PRODUCT OVERVIEW

Product Name	ERAL1, Polyclonal Antibody
Full Product Name	ERAL1 (HERA, GTPase Era, Mitochondrial, Conserved ERA-like GTPase, ERA-W, ERA-like Protein 1)
Product Gene Name	anti-Eral1 antibody
Product Synonym Names	Anti -ERAL1 (HERA, GTPase Era, Mitochondrial, Conserved ERA-like GTPase, ERA-W, ERA-like Protein 1)
Immunogen Sequence	MAAPSWRGAR LVQSVLRVWQ VGPHVARERV IPFSSLLGFQ RRCVSCVAGS AFSGPRLASA SRSNGQGSAL DHFLGFSQPD SSVTPCVPAV SMNRDEQDVL LVHHPDMPEN SRVLRVVLLG APNAGKSTLS NQLLGRKVFP VSRKVHTTRC QALGVITEKE TQVILLDTPG IISPGKQKRH HLELSLLEDP WKSMESADLV VVLVDVSDKW TRNQLSPQLL RCLTKYSQIP SVLVMNKVDC LKQKSVLLEL TAALTEGVVN GKKLKMRQAF HSHPGTHCPS PAVKDPNTQS VGNPQRIGWP HFKEIFMLSA LSQEDVKTLK QYLLTQAQPG PWEYHSAVLT SQTPEEICAN IIREKLLEHL PQEVPYNVQQ KTAVWEEGPG GELVIQQKLL VPKESYVKLL IGPKGHVISQ IAQEAGHDLM DIFLCDVDIR LSVKLLK
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human ERAL1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	48,187 Da
Chromosome Location	Chromosome: 11; NC_000077.6 (78073376..78080383, complement). Location: 11 B5; 11
3D Structure	ModBase 3D Structure for Q9CZU4
Immunogen	Full length human ERAL1, aa1-437 (NP_005693.1).
Product Categories/Family for anti-Eral1 antibody	Antibodies; Abs to GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-Eral1 antibody	Western Blot (WB)
Application Notes for anti-Eral1 antibody	Suitable for use in Western Blot.
Related Product Information for anti-Eral1 antibody	Era is an essential GTPase that is required for proper cell cycle progression and cell division in E. coli. Human homologues have been isolated which have been designated ERAL1A and ERAL1B.
Other Notes	Small volumes of anti-Eral1 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 Eral1 purchase	MBS647242 is an antibody targeting Eral1. Also known as ERAL1 (HERA, GTPase Era, Mitochondrial, Conserved ERA-like GTPase, ERA-W, ERA-like Protein 1). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-Eral1 antibody
Western Blot analysis of ERAL1 expression in transfected 293T cell line by ERAL1 polyclonal antibody. Lane 1: ERAL1 transfected lysate (48.07kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Eral1. It may not necessarily be applicable to this product.

NCBI GI #	18044650
NCBI GeneID	57837
NCBI Accession #	AAH19728.1
UniProt Primary Accession #	Q9CZU4
UniProt Secondary Accession #	Q6NV78; Q8VE60; Q925U1
UniProt Related Accession #	Q9CZU4
NCBI Official Full Name	Eral1 protein, partial
NCBI Official Synonym Full Names	Era (G-protein)-like 1 (E. coli)
NCBI Official Symbol	Eral1
NCBI Official Synonym Symbols	Era; M-ERA; MERA-S; MERA-W; AU019798; 2610524P08Rik; 9130407C09Rik
UniProt Protein Name	GTPase Era, mitochondrial
UniProt Synonym Protein Names	Conserved ERA-like GTPase; CEGA; ERA-W; ERA-like protein 1
UniProt Gene Name	Eral1
UniProt Synonym Gene Names	Mera; M-ERA; CEGA
UniProt Entry Name	ERAL1_MOUSE
NCBI Protein Information	GTPase Era, mitochondrial; CEGA; ERA-W; ERA-like GTPase; ERA-like protein 1; conserved ERA-like GTPase; GTP-binding protein era homolog

UniProt Comments for Eral1	Function: Probable GTPase that plays a role in the mitochondrial ribosomal small subunit assembly. Specifically binds the 12S mitochondrial rRNA (12S mt-rRNA) to a 33 nucleotide section delineating the 3' terminal stem-loop region. May act as a chaperone that protects the 12S mt-rRNA on the 28S mitoribosomal subunit during ribosomal small subunit assembly By similarity. Subcellular location: Mitochondrion matrix By similarity. Mitochondrion inner membrane; Peripheral membrane protein By similarity. Note: Localizes on the matrix side on the mitochondrial inner membrane By similarity. Sequence similarities: Belongs to the Era/MnmE GTP-binding protein family. Era subfamily.Contains 1 G (guanine nucleotide-binding) domain.Contains 1 KH type-2 domain.
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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