Gtpase Eras (ERAS) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GTPase ERas, Polyclonal Antibody
Full Product Name	Rabbit anti-human GTPase ERas polyclonal Antibody, Biotin conjugated
Product Gene Name	anti-ERAS antibody
Product Synonym Names	HRAS2; HRASP; ERAS; Embryonic stem cell-expressed Ras; E-Ras
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: GTPase ERas (MBS7002103) Biotin Conjugated Antibody: GTPase ERas (MBS1489199)
Molecular Weight	25,287 Da
OMIM	300437
3D Structure	ModBase 3D Structure for Q7Z444
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Recombinant human GTPase ERas protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-51073 / sc-134860
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ERAS antibody	ELISA (EIA)
Related Product Information for anti-ERAS antibody	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells.
Other Notes	Small volumes of anti-ERAS 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 ERAS purchase	MBS1489199 is an antibody targeting ERAS. Also known as Rabbit anti-human GTPase ERas polyclonal Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	31559833
NCBI GeneID	3266

NCBI Accession #	NP_853510.1
UniProt Primary Accession #	Q7Z444
UniProt Related Accession #	Q7Z444
GenBank Nucleotide #	NM_181532.3
NCBI Official Full Name	GTPase ERas
NCBI Official Synonym Full Names	ES cell expressed Ras
NCBI Official Symbol	ERAS
NCBI Official Synonym Symbols	HRAS2; HRASP
UniProt Protein Name	GTPase ERas
UniProt Synonym Protein Names	Embryonic stem cell-expressed Ras
Protein Family	GTPase
UniProt Gene Name	ERAS
UniProt Synonym Gene Names	HRAS2; HRASP; E-Ras
UniProt Entry Name	RASE_HUMAN
NCBI Protein Information	GTPase ERas
NCBI Summary for ERAS	This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance. [provided by RefSeq, Dec 2012]
UniProt Comments for ERAS	ERas: Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells. Belongs to the small GTPase superfamily. Ras family. Protein type: G protein; G protein, monomeric, Ras; G protein, monomeric Chromosomal Location of Human Ortholog: Xp11.23 Cellular Component: intracellular; plasma membrane Molecular Function: GTP binding Biological Process: small GTPase mediated signal transduction
Research Articles on ERAS	**1.** N-terminal extension of E-RAS is important for E-RAS signaling activity.
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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