GRP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GRP4, Polyclonal Antibody
Full Product Name	GRP4 rabbit pAb
Product Gene Name	anti-GRP4 antibody
Product Synonym Gene Name	RASGRP4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	66,972 Da
OMIM	607320
3D Structure	ModBase 3D Structure for Q8TDF6
Product Categories/Family for anti-GRP4 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GRP4 antibody	Western Blot (WB)
Application Notes for anti-GRP4 antibody	WB: 1:1000-2000
Related Product Information for anti-GRP4 antibody	MBS8599707 is an antibody targeting GRP4. Also known as GRP4 rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GRP4 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 GRP4. It may not necessarily be applicable to this product.

NCBI GI #	226246586
NCBI GeneID	115727
NCBI Accession #	NP_001139679.1
UniProt Primary Accession #	Q8TDF6
UniProt Secondary Accession #	Q8N858; Q96QN5; Q96QN6; A6H8M4; C0LTP2; C0LTP3; C0LTP4; C0LTP5; C0LTP7; C9J416; C9JHZ1
UniProt Related Accession #	Q8TDF6

GenBank Nucleotide #	NM_001146207.1
NCBI Official Full Name	RAS guanyl-releasing protein 4 isoform g
NCBI Official Synonym Full Names	RAS guanyl releasing protein 4
NCBI Official Symbol	RASGRP4
UniProt Protein Name	RAS guanyl-releasing protein 4
UniProt Gene Name	RASGRP4
UniProt Entry Name	GRP4_HUMAN
NCBI Protein Information	RAS guanyl-releasing protein 4
NCBI Summary for GRP4	The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]
Research Articles on GRP4	**1.** Ras guanine nucleotide-releasing protein 4 is aberrantly expressed in the fibroblast-like synoviocytes of patients with rheumatoid arthritis and controls their proliferation.
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