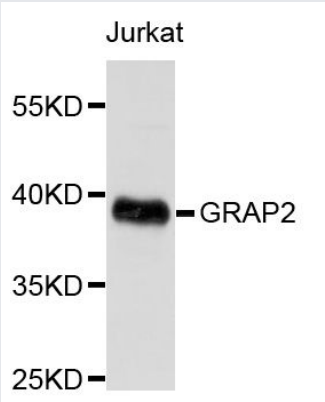
GRAP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GRAP2, Polyclonal Antibody
Full Product Name	GRAP2 Polyclonal Antibody
Product Gene Name	anti-GRAP2 antibody
Product Synonym Names	P38; GADS; GRID; GRPL; GrbX; Mona; GRB2L; GRBLG; Grf40; GRAP-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 38kDa Molecular Weight: 330
OMIM	604518
3D Structure	ModBase 3D Structure for O75791
Immunogen	Recombinant protein of human GRAP2
Product Categories/Family for anti-GRAP2 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GRAP2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GRAP2 antibody	WB: 1:500 - 1:2000, IHC: 1:20 - 1:200
Related Product Information for anti-GRAP2 antibody	This gene encodes a member of the GRB2/Sem5/Drk family. This member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Other Notes	Small volumes of anti-GRAP2 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 GRAP2 purchase	MBS9129333 is an antibody targeting GRAP2. Also known as GRAP2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-GRAP2 antibody
Western blot analysis of extracts of Jurkat cells, using GRAP2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 20s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRAP2. It may not necessarily be applicable to this product.

NCBI GI #	625180311
NCBI GeneID	9402
NCBI Accession #	NP_001278753.1
UniProt Primary Accession #	O75791
UniProt Secondary Accession #	O43726; Q9NRB7; B7Z8I3
UniProt Related Accession #	O75791
GenBank Nucleotide #	NM_001291824.1
NCBI Official Full Name	GRB2-related adapter protein 2 isoform 1
NCBI Official Synonym Full Names	GRB2-related adaptor protein 2
NCBI Official Symbol	GRAP2
NCBI Official Synonym Symbols	P38; GADS; GRID; GRPL; GrbX; Mona; GRB2L; GRBLG; Grf40; GRAP-2
UniProt Protein Name	GRB2-related adapter protein 2
UniProt Synonym Protein Names	Adapter protein GRID; GRB-2-like protein; GRB2L; GRBLG; GRBX; Grf40 adapter protein; Grf-40; Growth factor receptor-binding protein; Hematopoietic cell-associated adapter protein GrpL; P38; Protein GADS; SH3-SH2-SH3 adapter Mona
Protein Family	GRB2-related adapter protein
UniProt Gene Name	GRAP2
UniProt Synonym Gene Names	GADS; GRB2L; GRID; GRB2L; Grf-40
UniProt Entry Name	GRAP2_HUMAN
NCBI Protein Information	GRB2-related adapter protein 2

UniProt Comments for GRAP2	GADS: Interacts with SLP-76 to regulate NF-AT activation. Binds to tyrosine-phosphorylated shc. Belongs to the GRB2/sem-5/DRK family. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 22q13.2 Cellular Component: cytoplasm; cytosol; endosome; nucleoplasm; nucleus Molecular Function: protein binding; SH3/SH2 adaptor activity Biological Process: cell-cell signaling; innate immune response; positive regulation of signal transduction; Ras protein signal transduction; T cell costimulation; T cell receptor signaling pathway
Research Articles on GRAP2	**1.** GADS deficient T cells displayed similar levels of T cell receptor -induced SLP-76 and PLC-gamma1 phosphorylation but exhibited substantial decrease in TCR-induced IL-2 and IFN-gamma release.
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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