

Rabbit GRB2 Polyclonal Antibody | anti-GRB2 antibody

GRB2 Antibody

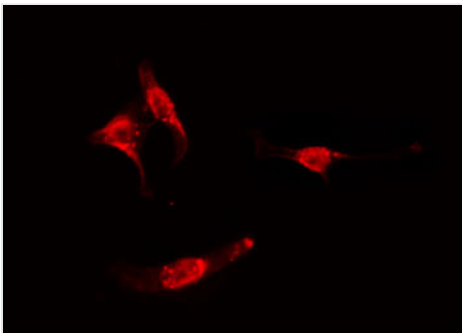
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324758	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

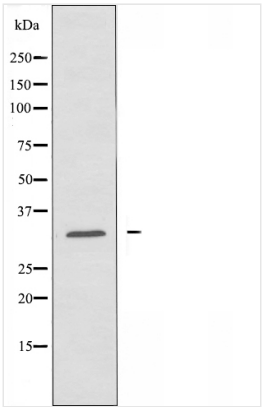
GRB2; Polyclonal Antibody; GRB2 Antibody; Abundant SRC homology; Adapter protein GRB2; ASH; Ash protein; EGFRBP GRB2; Epidermal growth factor receptor binding protein; Epidermal growth factor receptor binding protein GRB2; GRB 2; GRB2 adapter protein; Grb2; GRB2_HUMAN; Grb3 3; Growth factor receptor bound protein 2; Growth factor receptor bound protein 3; Growth factor receptor-bound protein 2; HT027; MST084; MSTP084; NCKAP2; OTTHUMP00000166096; OTTHUMP00000166097; OTTHUMP00000166098; Protein ash; SEM5; SH2/SH3 adapter GRB2; anti-GRB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRB2 antibody detects endogenous levels of total GRB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Applicable Applications for anti-GRB2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRB2, corresponding to a region within C-terminal amino acids.
Similarity	The SH3 domains mediate interaction with RALGPS1 and SHB. Belongs to the GRB2/sem-5/DRK family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)
AAA324758 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using GRB2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GRB2 antibody	Function: Adapter protein that provides a critical link between cell surface growth factor receptors and the Ras signaling pathway. Subunit Structure: Associates (via SH2 domain) with activated EGF and PDGF receptors (tyrosine phosphorylated) (PubMed:10026169, PubMed:19836242). Interacts with PDGFRA (tyrosine phosphorylated); the interaction may be indirect (By similarity). Also associates to other cellular Tyr-phosphorylated proteins such as SIT1, IRS1, IRS4, SHC and LNK; probably via the concerted action of both its SH2 and SH3 domains (PubMed:8388384, PubMed:8491186, PubMed:9553137, PubMed:11433379). It also seems to interact with RAS in the signaling pathway leading to DNA synthesis. Interacts with SOS1 (PubMed:8493579, PubMed:7664271). Forms a complex with MUC1 and SOS1, through interaction of the SH3 domains with SOS1 and the SH2 domain with phosphorylated MUC1 (PubMed:7664271). Interacts with phosphorylated MET (PubMed:11063574, PubMed:11827484). Interacts with phosphorylated TOM1L1 (By similarity). Interacts with the phosphorylated C-terminus of SH2B2 (PubMed:9233773). Interacts with phosphorylated SIT1, LAX1, LAT, LAT2 and LIME1 upon TCR and/or BCR activation (By similarity) (PubMed:9489702, PubMed:12359715, PubMed:12486104, PubMed:12514734). Interacts with NISCH, PTPNS1 and REPS2 (PubMed:9062191, PubMed:9422736, PubMed:11912194). Interacts with syntrophin SNTA1 (By similarity). Interacts (via SH3 domains) with REPS1 (By similarity). Interacts (via SH3 domains) with PIK3C2B (PubMed:11533253). Interacts with CBL and CBLB (PubMed:10022120, PubMed:10086340). Interacts with AJUBA and CLNK (By similarity). Interacts (via SH2 domain) with TEK/TIE2 (tyrosine phosphorylated) (By similarity). Interacts with SHB, INPP5D/SHIP1, SKAP1 and SKAP2 (PubMed:8723348, PubMed:9108392, PubMed:9484780, PubMed:10942756, PubMed:12171928). Interacts with PTPN11 (By similarity). Interacts with PRNP (By similarity). Interacts with RALGPS1 (PubMed:10747847). Interacts with HCST (PubMed:16582911). Interacts with KDR (By similarity). Interacts with FLT1 (tyrosine-phosphorylated) (By similarity). Interacts with GAPT and PTPRE (PubMed:10980613, PubMed:18559951). Interacts (via SH2 domain) with KIF26A (PubMed:19914172). Interacts (via SH3 2) with GAB2 (PubMed:19523899). Interacts with ADAM15 (PubMed:18296648). Interacts with THEMIS2 (By similarity). Interacts (via SH2 domain) with AXL (phosphorylated) (PubMed:9178760, PubMed:19815557). Interacts (via SH2 domain) with KIT (phosphorylated) (PubMed:15526160, PubMed:16129412). Interacts with PTPRJ and BCR (PubMed:12475979, PubMed:15302586). Interacts with PTPN23 (PubMed:21179510). Interacts with FLT4 (tyrosine phosphorylated) (PubMed:15102829). Interacts with EPHB1 and SHC1; activates the MAPK/ERK cascade to regulate cell migration (PubMed:8798570, PubMed:12925710). Part of a complex including TNK2, GRB2, LTK and one receptor tyrosine kinase (RTK) such as AXL and PDGFRL, in which GRB2 promotes RTK recruitment by TNK2 (PubMed:9178760, PubMed:19815557). Interacts (via SH2 domain) with CSF1R (tyrosine phosphorylated) (PubMed:8262059). Interacts with ERBB4 (PubMed:10867024). Interacts with NTRK1 (phosphorylated upon ligand-binding) (PubMed:15488758). Interacts with PTK2/FAK1 (tyrosine phosphorylated) (PubMed:9148935). Interacts with PTK2B/PYK2 (tyrosine phosphorylated) (PubMed:20521079). Isoform 1 interacts with SCIMP (PubMed:21930792). Interacts (via SH3 domains) with GAREM1 isoform 1 (via proline-rich domain and tyrosine phosphorylated); the interaction occurs upon EGF stimulation (PubMed:19509291). Interacts with DAB2 (By similarity). Interacts with TESPA1 (PubMed:22561606). Interacts with PLCG1, LAT and THEMIS upon TCR activation in thymocytes; the association is weaker in the absence of TESPA1 (By similarity). Interacts with CD28 (PubMed:24098653). Interacts with RAB13; may recruit RAB13 to the leading edge of migrating endothelial cells where it can activate RHOA (By similarity). Interacts with ASAP3 (phosphorylated form) (PubMed:22027826). Interacts (via SH3 domain) with HEV ORF3 protein (PubMed:11518702). Interacts with HCV NS5A via its SH3 domains (PubMed:10318918). Interacts with herpes simplex virus 1 UL46 (PubMed:23946459). Interacts (via SH2 domain) with PTPRH (phosphorylated form) (By similarity). Interacts with PTPRO (phosphorylated form) (By similarity). Interacts with PTPRB (phosphorylated form) (By similarity). Interacts (via SH3 domain 2) with PRR14 (via proline-rich region) (PubMed:27041574). Interacts with FCRL6 (tyrosine phosphorylated form) (PubMed:20933011). Interacts with RHEX (via tyrosine-phosphorylated form) (PubMed:25092874). Similarity: The SH3 domains mediate interaction with RALGPS1 and SHB. Belongs to the GRB2/sem-5/DRK family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504111
NCBI GeneID	2885
NCBI Accession #	NP_002077.1
NCBI GenBank Nucleotide #	NM_002086.4
UniProt Accession #	P62993; P29354; Q14450; Q63057; Q63059
Molecular Weight	32 kD

NCBI Official Full Name	growth factor receptor-bound protein 2 isoform 1
NCBI Official Synonym Full Names	growth factor receptor bound protein 2
NCBI Official Symbol	GRB2
NCBI Official Synonym Symbols	ASH; Grb3-3; MST084; NCKAP2; MSTP084; EGFRBP-GRB2
NCBI Protein Information	growth factor receptor-bound protein 2
UniProt Protein Name	Growth factor receptor-bound protein 2
UniProt Gene Name	GRB2
UniProt Synonym Gene Names	ASH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grb2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324758>