

Rabbit GRB14 Polyclonal Antibody | anti-GRB14 antibody

GRB14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324757	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

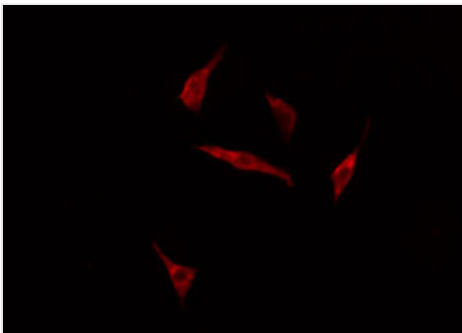
PRODUCT SYNONYMS

GRB14; Polyclonal Antibody; GRB14 Antibody; GRB14 adapter protein; Grb14; GRB14_HUMAN; Growth factor receptor bound protein 14; anti-GRB14 antibody

PRODUCT SPECIFICATIONS

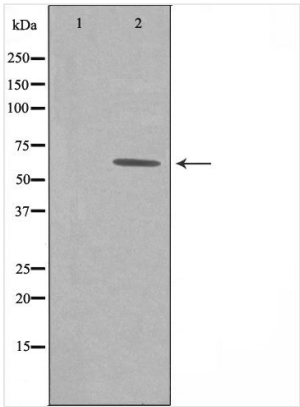
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRB14 antibody detects endogenous levels of total GRB14
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	453
Applicable Applications for anti-GRB14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm, Golgi Apparatus Membrane, Peripheral Membrane Protein, Endosome Membrane.
Tissue Specificity	Expressed at high levels in the liver, kidney, pancreas, testis, ovary, heart and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324757 staining HuvEc 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 COLO cells using GRB14 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GRB14 antibody

Function: Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal.

Subunit Structure: Interacts with the cytoplasmic domain of the autophosphorylated insulin receptor (INSR), through the SH2 domain (By similarity). Interacts with GRB14 (via BPS domain); this interaction protects the tyrosines in the activation loop on INSR from dephosphorylation. Binds to the ankyrin repeat region of TNKS2 via its N-terminus. Interacts with activated NRAS. Interacts (via SH2 domain) with TEK/TIE2 (tyrosine phosphorylated).

Post-translational Modifications: Phosphorylated on serine residues. Phosphorylated on tyrosine residues by TEK/TIE2.

Similarity: The PH domain binds relatively non-specifically and with low affinity to several phosphoinositides, the best binder being PI(3, 4, 5)P3. Belongs to the GRB7/10/14 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	742068549
NCBI GeneID	2888
NCBI Accession #	NP_001290351.1
NCBI GenBank Nucleotide #	NM_001303422.1
UniProt Accession #	Q14449; Q7Z6I1; B7Z7F9
Molecular Weight	Observed: 61 kD Predicted: 61 kDa
NCBI Official Full Name	growth factor receptor-bound protein 14 isoform 2
NCBI Official Synonym Full Names	growth factor receptor bound protein 14
NCBI Official Symbol	GRB14
NCBI Protein Information	growth factor receptor-bound protein 14
UniProt Protein Name	Growth factor receptor-bound protein 14
UniProt Gene Name	GRB14

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/grb14-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324757>