

Rabbit anti-Human, Mouse GAB1 Polyclonal Antibody | anti-GAB1 antibody

Phospho-GAB1 (Tyr627) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321719	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GAB1; Polyclonal Antibody; Phospho-GAB1 (Tyr627) Antibody; Gab 1; GAB1_HUMAN; GRB 2 associated binder 1; GRB 2 associated binding protein 1; GRB2 associated binding protein 1 isoform a; GRB2 associated binding protein 1 isoform b; GRB2-associated binder 1; GRB2-associated-binding protein 1; Growth factor receptor bound protein 2-associated protein 1; anti-GAB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-GAB1 (Tyr627) antibody detects endogenous levels of GAB1 only when phosphorylated at Tyrosine 627
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
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	694
Applicable Applications for anti-GAB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GAB1 around the phosphorylation site of Tyrosine 627
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Tyr627
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of GAB1 phosphorylation expression in EGF treated HuvEc whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321719 staining NIH-3T3 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GAB1 antibody	Description: Grb2-associated binding protein 1 is a member of the IRS-1-like multisubstrate docking protein family. Contains an N-terminal pleckstrin homology (PH) domain and several proline-rich SH3 domain-binding sequences. Function: Adapter protein that plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. Plays a role in FGFR1 signaling. Probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Subunit Structure: Interacts with GRB2 and with other SH2-containing proteins. Interacts with phosphorylated LAT2. Interacts with PTPRJ. Identified in a complex containing FRS2, GRB2, GAB1, PIK3R1 and SOS1. Interacts (phosphorylated) with PTPN11. Interacts with HCK. Post-translational Modifications: Phosphorylated in response to FGFR1 activation. Phosphorylated on tyrosine residue(s) by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Tyrosine phosphorylation of GAB1 mediates interaction with several proteins that contain SH2 domains. Phosphorylated on tyrosine residues by HCK upon IL6 signaling. Similarity: Belongs to the GAB family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46370073
NCBI GeneID	2549
NCBI Accession #	NP_002030.2
NCBI GenBank Nucleotide #	NM_002039.3
UniProt Accession #	Q13480; Q4W5G2; Q6P1W2; A8K152
Molecular Weight	Observed: 110 kDa Predicted: 77 kDa
NCBI Official Full Name	GRB2-associated-binding protein 1 isoform b
NCBI Official Synonym Full Names	GRB2 associated binding protein 1
NCBI Official Symbol	GAB1
NCBI Official Synonym Symbols	DFNB26
NCBI Protein Information	GRB2-associated-binding protein 1
UniProt Protein Name	GRB2-associated-binding protein 1
UniProt Gene Name	GAB1

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.