

Mouse anti-Human Gab1 Monoclonal Antibody | anti-GAB1 antibody

Gab1 Antibody (Ascites)

CATALOG # AAA283596	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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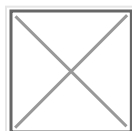
PRODUCT SYNONYMS

Gab1; Monoclonal Antibody; Gab1 Antibody (Ascites); GRB2-associated-binding protein 1; GRB2-associated binder 1; Growth factor receptor bound protein 2-associated protein 1; GAB1; anti-GAB1 antibody

PRODUCT SPECIFICATIONS

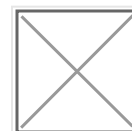
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	1AT1979
Specificity	This Gab1 antibody is generated from mice immunized with a GST fusion protein encoding full length human GAB1.
Form/Format	format Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Length	694
Applicable Applications for anti-GAB1 antibody	ELISA, WB (Western Blot)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Rescue of the JNK pathway by expression of wild-type Gab1 in Gab1^{-/-} cells. Gab1^{-/-} cells were transiently transfected with 1, 2, or 4 of the expression construct for human Gab1 cDNA, using the GenePORTER 2 transfection reagent (Gene Therapy Systems Inc.). After incubation, the cells were irradiated with UV-B light at 400 J/m² or left untreated. Exogenous expression of Gab1 in transfected cells was confirmed by anti-Gab1 immunoblot analysis with wild-type cells as positive control. +/+, wild-type cells; -/-, Gab1^{-/-} cells. (Mol. Cell. Biol. 2004 Feb 15;24(4):1531-1539



WB (Western Blot)

Wild-type (+/+) and Gab1^{-/-} (-/-) cells were heat shocked (HS) at 42 degree C for 1 h or irradiated with UV-B light (400 J/m²) and then incubated at 37° for 1 h. Cell lysates were prepared and subjected to immunoprecipitation (IP) with an anti-JNK2 antibody. The immunoprecipitates were resolved by SDS- PAGE and immunoblotted (IB) with anti-Gab1 antibody. Data courtesy of Dr. GS Feng at The Burnham Institute.

ADDITIONAL INFORMATION

Related Product Information for anti-GAB1 antibody	The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. It is an important mediator of branching tubulogenesis and plays a central role in cellular growth response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GAB1 antibody	Cancer; Cell Biology; Signal transduction
References	An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014. Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Grb2-associated binder 1 (Gab1) genetic polymorphism, Helicobacter pylori infection, and chronic atrophic gastritis among older adults from Germany. Gao L, et al. Mol Carcinog, 2010 Oct. PMID 20602450. New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496. Assembly of the Sos1-Grb2-Gab1 ternary signaling complex is under allosteric control. McDonald CB, et al. Arch Biochem Biophys, 2010 Feb 15. PMID 20005866.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46370073
NCBI GeneID	2549
NCBI Accession #	NP_002030.2; NP_997006.1
NCBI GenBank Nucleotide #	NM_002039.3
UniProt Accession #	Q13480; Q4W5G2; Q6P1W2; A8K152
Molecular Weight	76616
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 Protein Information	GRB2-associated-binding protein 1
UniProt Protein Name	GRB2-associated-binding protein 1
UniProt Gene Name	GAB1
UniProt Entry Name	GAB1_HUMAN

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.