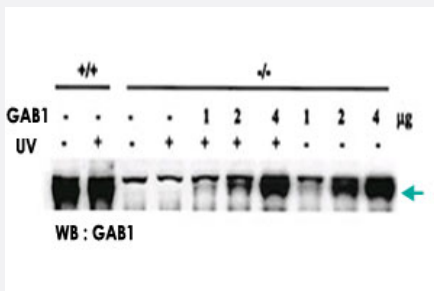


GAB1 monoclonal antibody, clone 1AT1979

Catalog # MAB1139 Size 100 uL

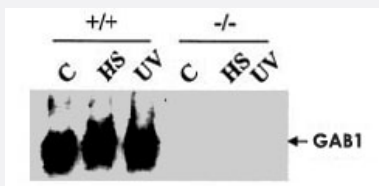
Applications



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 μg 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)

Immunoprecipitation



Wild-type (+/+) and Gab1^{-/-} (-/-) cells were heat shocked (HS) at 42 °C for 1 h or irradiated with UV-B light (400 J/m²) and then incubated at 37°C 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 GAB1 monoclonal antibody, clone 1AT1979 (Cat # MAB1139) . Data courtesy of Dr. GS Feng at The Burnham Institute.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant GAB1.
Immunogen	Recombinant GST fusion protein corresponding to full length human GAB1.
Host	Mouse
Reactivity	Human
Form	Liquid

Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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Gene Info — GAB1

Entrez GeneID	2549
Protein Accession#	NP_997006:Q13480
Gene Name	GAB1
Gene Alias	-
Gene Description	GRB2-associated binding protein 1
Omim ID	604439
Gene Ontology	Hyperlink

Gene Summary

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 with response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Grb2-associated binder 1 \(Gab1\) genetic polymorphism, Helicobacter pylori infection, and chronic atrophic gastritis among older adults from Germany.](#)

Gao L, Weck MN, Nieters A, Brenner H.

Molecular Carcinogenesis 2010 Oct; 49(10):869.

- [An approach based on a genome-wide association study reveals candidate loci for narcolepsy.](#)

Shimada M, Miyagawa T, Kawashima M, Tanaka S, Honda Y, Honda M, Tokunaga K.

Human Genetics 2010 Oct; 128(4):433.

- [Variation at the NFATC2 locus increases the risk of thiazolidinedione-induced edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication \(DREAM\) study.](#)

Bailey SD, Xie C, Do R, Montpetit A, Diaz R, Mohan V, Keavney B, Yusuf S, Gerstein HC, Engert JC, Anand S.

Diabetes Care 2010 Jul; 33(10):2250.

Pathway

- [ErbB signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Renal cell carcinoma](#)

Disease

- [Atrophy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Metaplasia](#)
- [Narcolepsy](#)
- [Stomach Neoplasms](#)