

Datasheet for ABIN6243205

**anti-GAB1 antibody**

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## Overview

Quantity:	100 µL
Target:	GAB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GAB1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Gab1 antibody is generated from mice immunized with a GST fusion protein encoding full length human GAB1.
Clone:	1AT1979
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	GAB1
Alternative Name:	Gab1 ( <a href="#">GAB1 Products</a> )
Background:	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

## Target Details

	isoforms have been found for this gene.
Molecular Weight:	76616
NCBI Accession:	<a href="#">NP_002030</a> , <a href="#">NP_997006</a>
UniProt:	<a href="#">Q13480</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">VEGFR1 Specific Signals</a>

## Application Details

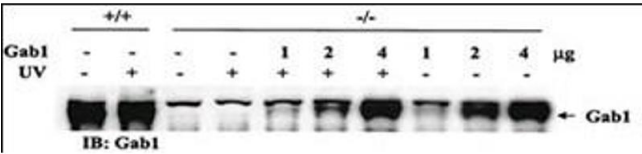
Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

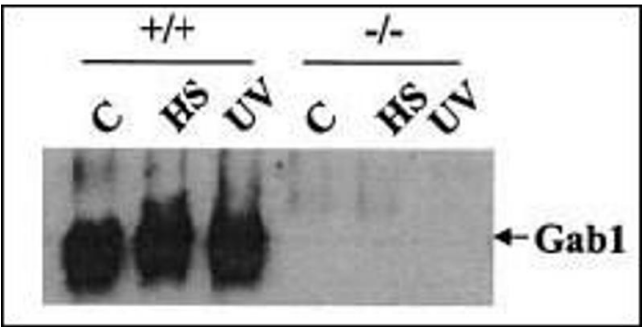
## Publications

Product cited in:	Fang, Wang, Miao, Kuang, Ma, Wang, Zhang, Xia: "Involvement of Protein Acyltransferase ZDHHC3 in Maintaining Oocyte Meiotic Arrest in <i>Xenopus laevis</i> ." in: <b>Biology of reproduction</b> , Vol. 95, Issue 3, pp. 67, (2016) ( <a href="#">PubMed</a> ).
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### Western Blotting

**Image 1.** Rescue of the JNK pathway by expression of wild-type Gab1 in Gab1<sup>-/-</sup> cells. Gab1<sup>-/-</sup> 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/m<sup>2</sup> 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<sup>-/-</sup> cells. (Mol. Cell. Biol. 2004 Feb 15;24(4):1531-1539)



### Western Blotting

**Image 2.** Wild-type (+/+) and Gab1<sup>-/-</sup> (-/-) cells were heat shocked (HS) at 42 °C for 1 h or irradiated with UV-B light (400 J/m<sup>2</sup>) and then incubated at 37° for 1 h. Cell lysates were prered and subjected to immunoprecipitation (IP) with an anti-JNK2 antibody. The immunoprecipitates were resolved by SDS- GE and immunoblotted (IB) with anti-Gab1 antibody. Data courtesy of Dr. GS Feng at The Burnham Institute.