Datasheet for ABIN967990

anti-DAB2 antibody (AA 31-45)

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Overview

Quantity:	150 µg
Target:	DAB2
Binding Specificity:	AA 31-45
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DAB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Mouse p96 aa. 31-45
Clone:	52-p96
Isotype:	IgG1
Cross-Reactivity:	Human, Rat (Rattus)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	DAB2
Alternative Name:	p96 (DAB2 Products)
Background:	CSF-1 is a growth factor that stimulates the growth and differentiation of immature lymphocytes and is required for the survival of mononuclear phagocytes. Binding of CSF-1 induces dimerization and autophosphorylation of its receptor. This results in the activation of several signal transduction pathways. A unique 96 kDa protein is a component in the CSF-1 signal transduction cascade. p96 is phosphorylated on serine following mitogenic stimulation of a mouse macrophage cell line. p96 contains three potential C-terminal ERK kinase phosphorylation sites, as well as several proline-rich sequences that are potential binding sites for SH3-containing proteins. Structural similarities have been found between p96 and Dab, a product of the Drosophila disabled gene, and p96 was also identified as Disabled-2 (Dab-2) and as differentially expressed in ovarian carcinoma-2 (DOC-2) . Dab-2/p96 has been shown to be essential for TGFbeta signaling by facilitating signal transduction from the TGFbeta receptor to the Smad family of transcription factors. Thus, Dab-2/p96 is an important adaptor molecule in growth factor signaling pathways. Synonyms: Disabled-2
Molecular Weight:	96 kDa
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process

Application Details

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL

Handling

Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % 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:	-20 °C
Storage Comment:	Store undiluted at -20° C.

Publications

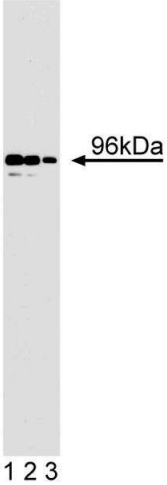
Product cited in:

Mishra, Keyel, Hawryluk, Agostinelli, Watkins, Traub: "Disabled-2 exhibits the properties of a cargo-selective endocytic clathrin adaptor." in: **The EMBO journal**, Vol. 21, Issue 18, pp. 4915-26 , (2002) (PubMed).

Hocevar, Smine, Xu, Howe: "The adaptor molecule Disabled-2 links the transforming growth factor beta receptors to the Smad pathway." in: **The EMBO journal**, Vol. 20, Issue 11, pp. 2789-801, (2001) (PubMed).

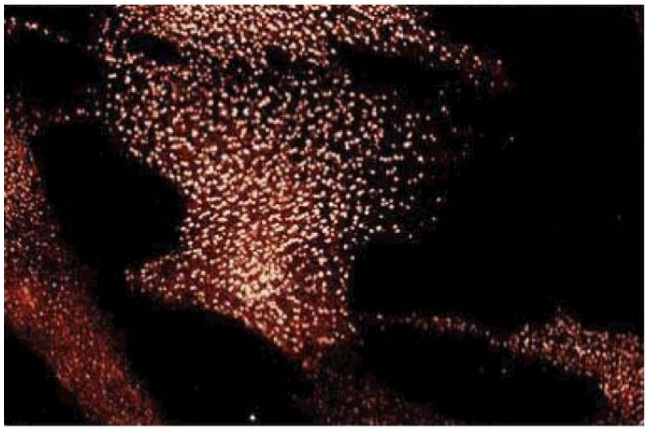
Smith, Capo-chichi, He, Smedberg, Yang, Prowse, Godwin, Hamilton, Xu: "Disabled-2 mediates c-Fos suppression and the cell growth regulatory activity of retinoic acid in embryonic carcinoma cells." in: **The Journal of biological chemistry**, Vol. 276, Issue 50, pp. 47303-10, (2001) (PubMed).

Xu, Yang, Jackowski, Rock: "Cloning of a novel phosphoprotein regulated by colony-stimulating factor 1 shares a domain with the Drosophila disabled gene product." in: **The Journal of biological chemistry**, Vol. 270, Issue 23, pp. 14184-91, (1995) (PubMed).



Western Blotting

Image 1. Western blot analysis of p96 on BC3H1 lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of p96.



Immunofluorescence

Image 2. Immunofluorescence staining of Human Fibroblast cells.

Image 3.

