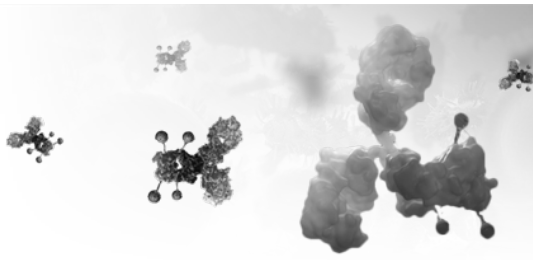

Mouse anti-Mouse Disabled-2/p96 monoclonal antibody, clone 63/q07 (CABT-B9193)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Mouse p96 aa. 31-45
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Human, Rat
Clone	63/q07
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IHC
Format	Liquid
Concentration	250 μg/ml
Size	50 μg, 150 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	CSF-1 is a growth factor that stimulates the growth and differentiation of immature lymphocytes

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	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 TGFβ signaling by facilitating signal transduction from the TGFβ receptor to the Smad family of transcription factors. Thus, Dab-2/p96 is an important adaptor molecule in growth factor signaling pathways.
Keywords	DAB2; Dab, mitogen-responsive phosphoprotein, homolog 2 (Drosophila); DOC2; DOC-2; disabled homolog 2; differentially-expressed protein 2; disabled homolog 2, mitogen-responsive phosphoprotein;

GENE INFORMATION

Entrez Gene ID	1601
UniProt ID	P98082

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