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DOCK4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant DOCK4.
Catalog # AT1810a

Specification

DOCK4 Antibody (monoclonal) (M03) - Product Information

Application	**WB, E**
Primary Accession	Q8N1I0
Other Accession	NM_014705
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG3 Kappa**
Calculated MW	**225206**

DOCK4 Antibody (monoclonal) (M03) - Additional Information

Gene ID 9732

Other Names
Dedicator of cytokinesis protein 4, DOCK4, KIAA0716

Target/Specificity
DOCK4 (NP_055520, 1867 a.a. ~ 1966 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
DOCK4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

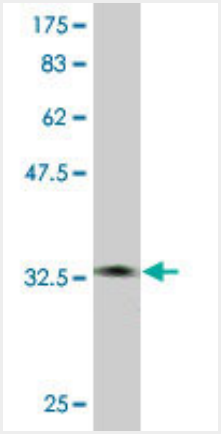
DOCK4 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

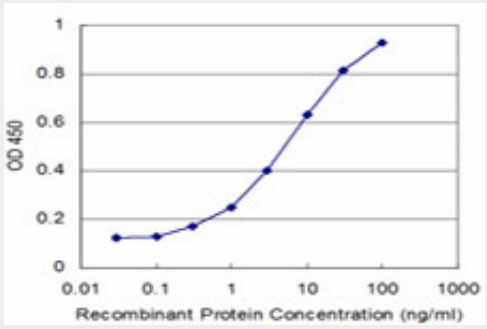
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DOCK4 Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged DOCK4 is approximately 0.3ng/ml as a capture antibody.

DOCK4 Antibody (monoclonal) (M03) - Background

This gene is a member of the dedicator of cytokinesis (DOCK) family and encodes a protein with a DHR-1 (CZH-1) domain, a DHR-2 (CZH-2) domain and an SH3 domain. This membrane-associated, cytoplasmic protein functions as a guanine nucleotide exchange factor and is involved in regulation of adherens junctions between cells. Mutations in this gene have been associated with ovarian, prostate, glioma, and colorectal cancers. Alternatively spliced variants which encode different protein isoforms have been described, but only one has been fully characterized.

DOCK4 Antibody (monoclonal) (M03) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Characterization of a family with rare deletions in CNTNAP5 and DOCK4 suggests novel risk loci for autism and dyslexia. Pagnamenta AT, et al. Biol Psychiatry, 2010 Aug 15. PMID 20346443. Identification of SH3 domain interaction partners of human FasL (CD178) by phage display screening. Voss M, et al. BMC Immunol, 2009 Oct 6. PMID 19807924. Cell migration is regulated by platelet-derived growth factor receptor endocytosis. Kawada K, et al. Mol Cell Biol, 2009 Aug. PMID 19528233. High-density SNP

association study and copy number variation analysis of the AUTS1 and AUTS5 loci implicate the IMMP2L-DOCK4 gene region in autism susceptibility. Maestrini E, et al. Mol Psychiatry, 2010 Sep. PMID 19401682.