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DOCK4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DOCK4.
Catalog # AT1809a

Specification

DOCK4 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, IF, E**
Primary Accession	Q8N1I0
Other Accession	NM_014705
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**225206**

DOCK4 Antibody (monoclonal) (M01) - 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
IHC~~1:100~500
IF~~1:50~200
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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

DOCK4 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot

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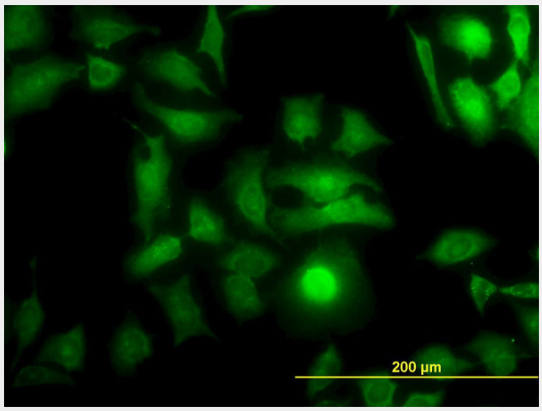
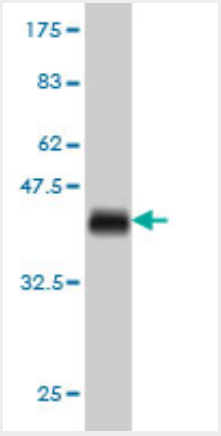
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

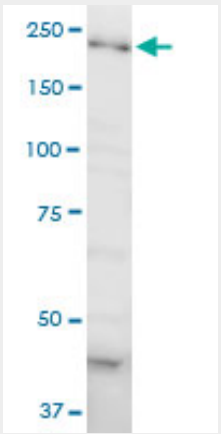
DOCK4 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to DOCK4 on HeLa cell. [antibody concentration 10 ug/ml]



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



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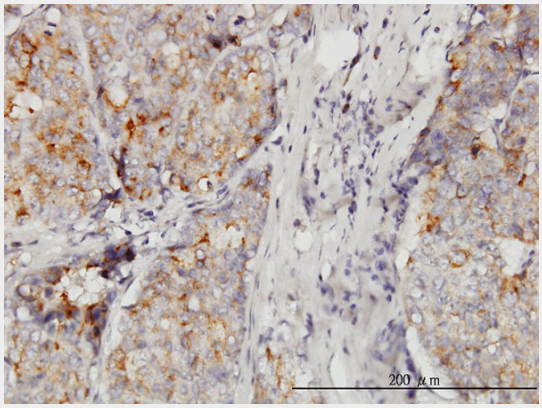
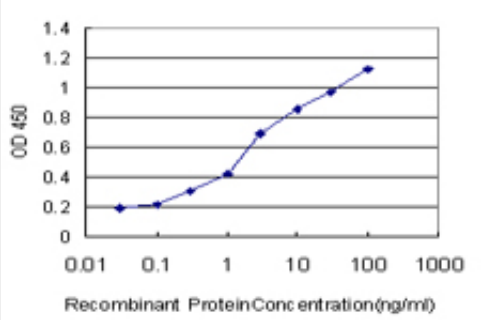
DOCK4 monoclonal antibody (M01), clone 3E7. Western Blot analysis of DOCK4 expression in HeLa.



Immunoperoxidase of monoclonal antibody to DOCK4 on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged DOCK4 is approximately 0.1ng/ml as a capture antibody.

DOCK4 Antibody (monoclonal) (M01) - 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) (M01) - References

1.Identification of novel posttranscriptional targets of the BCR/ABL oncoprotein by ribonomics: requirement of E2F3 for BCR/ABL leukemogenesis.Eiring AM, Neviani P, Santhanam R, Oaks JJ, Chang JS, Notari M, Willis W, Gambacorti-Passerini C, Volinia S, Marcucci G, Caligiuri MA, Leone GW, Perrotti D.Blood. 2008 Jan 15;111(2):816-28. Epub 2007 Oct 9.