

DOCK4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DOCK4.

Catalog # AT1809a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q8N1I0
Other Accession	NM_014705
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3E8
Calculated MW	225206

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.

Background

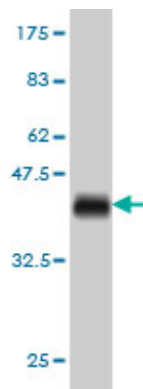
This gene is a member of the dedicator of cytokinesis (DOCK) family and encodes a protein with a DHR-1 (CZH-1) domain, a DHR-2 (CZH-2) domain and an SH3 domain. This membrane-associated, cytoplasmic protein functions as a guanine nucleotide exchange factor and is involved in regulation of adherens junctions 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.

References

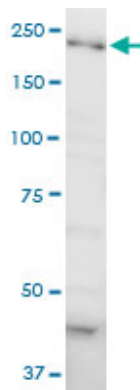
1.Identification of novel posttranscriptional targets of the BCR/ABL oncoprotein by ribonomics: requirement

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.

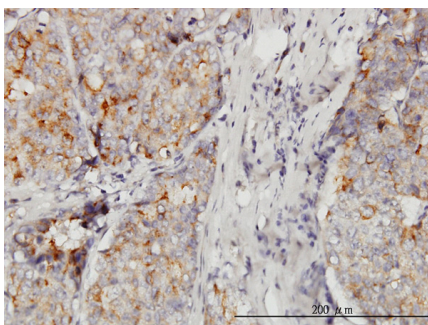
Images



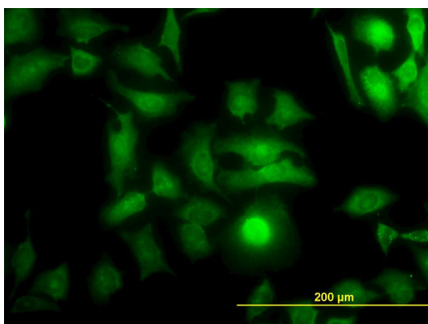
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



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

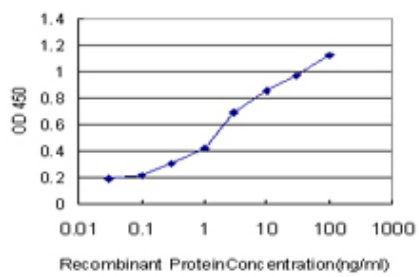


Immunoperoxidase of monoclonal antibody to DOCK4 on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.