

SH3BP2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SH3BP2.

Catalog # AT3868a

Product Information

Application	WB, IF, E
Primary Accession	P78314
Other Accession	BC022996
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E10
Calculated MW	62244

Additional Information

Gene ID	6452
Other Names	SH3 domain-binding protein 2, 3BP-2, SH3BP2, 3BP2
Target/Specificity	SH3BP2 (AAH22996, 452 a.a. ~ 561 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	SH3BP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

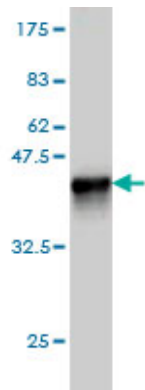
The protein encoded by this gene has an N-terminal pleckstrin homology (PH) domain, an SH3-binding proline-rich region, and a C-terminal SH2 domain. The protein binds to the SH3 domains of several proteins including the ABL1 and SYK protein tyrosine kinases , and functions as a cytoplasmic adaptor protein to positively regulate transcriptional activity in T, natural killer (NK), and basophilic cells. Mutations in this gene result in cherubism. Multiple transcript variants encoding different isoforms have been found for this gene.

References

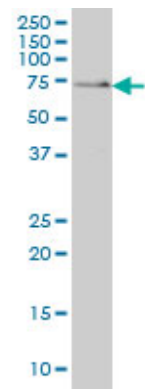
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.New genetic associations detected in a host

response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.NFATc1 and TNFalpha expression in giant cell lesions of the jaws. Amaral FR, et al. J Oral Pathol Med, 2010 Mar. PMID 20002873.Tyrosine phosphorylation of 3BP2 regulates B cell receptor-mediated activation of NFAT. Shukla U, et al. J Biol Chem, 2009 Dec 4. PMID 19833725.Novel mutations in the SH3BP2 gene associated with sporadic central giant cell lesions and cherubism. Carvalho VM, et al. Oral Dis, 2009 Jan. PMID 19017279.

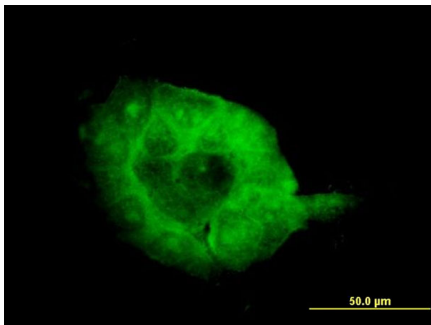
Images



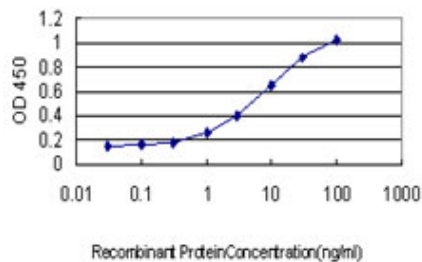
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



SH3BP2 monoclonal antibody (M01), clone 1E9 Western Blot analysis of SH3BP2 expression in A-431 ((Cat # AT3868a)



Immunofluorescence of monoclonal antibody to SH3BP2 on A-431 cell. [antibody concentration 20 ug/ml]



Detection limit for recombinant GST tagged SH3BP2 is approximately 0.1ng/ml as a capture antibody.

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