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CAPZB Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant CAPZB.
Catalog # AT1394a

Product Information

Application	WB, IHC, E
Primary Accession	P47756
Other Accession	NM_004930
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1H1
Calculated MW	30629

Additional Information

Gene ID	832
Other Names	F-actin-capping protein subunit beta, CapZ beta, CAPZB
Target/Specificity	CAPZB (NP_004921, 192 a.a. ~ 272 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 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	CAPZB Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

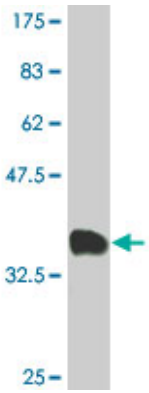
CAPZB is a member of the F-actin capping protein family. This gene encodes the beta subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments.

References

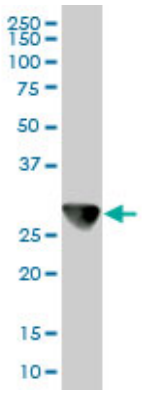
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.The Arp2/3 activator WASH controls the fission of endosomes through a large multiprotein complex. Derivery E, et al. Dev Cell, 2009 Nov. PMID 19922875.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul

23. PMID 19615732.Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

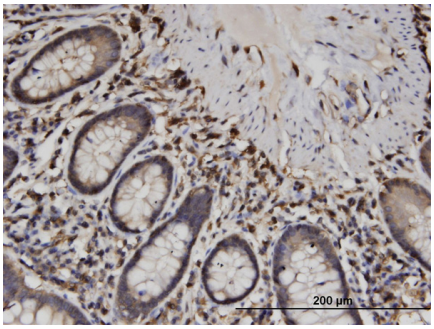
Images



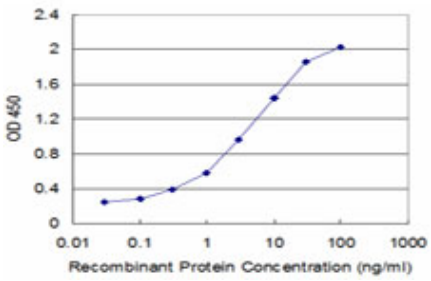
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.65 KDa) .



CAPZB monoclonal antibody (M02), clone 1H1. Western Blot analysis of CAPZB expression in HeLa ((Cat # AT1394a)



Immunoperoxidase of monoclonal antibody to CAPZB on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged CAPZB 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'.