

CAPZB Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant CAPZB.****Catalog # AT1394a****Specification**

CAPZB Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, E
Primary Accession	P47756
Other Accession	NM_004930
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	30629

CAPZB Antibody (monoclonal) (M02) - 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

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.

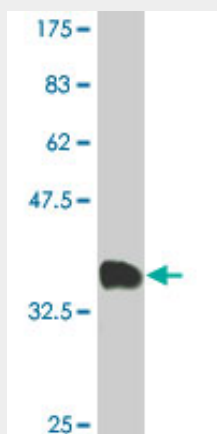
CAPZB Antibody (monoclonal) (M02) - Protocols

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

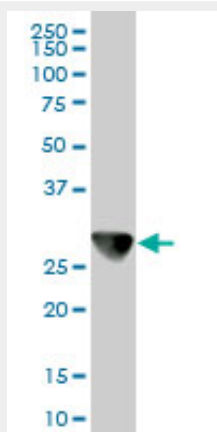
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

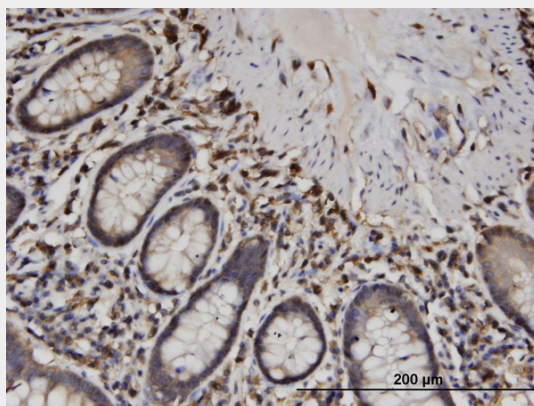
CAPZB Antibody (monoclonal) (M02) - Images



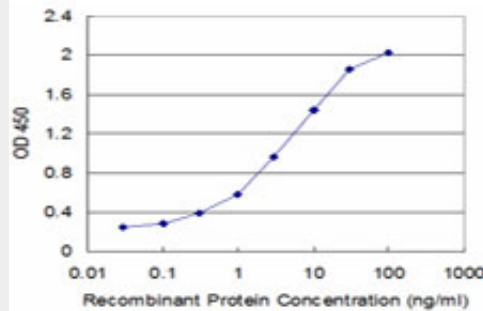
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.65 KDa) .



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.

CAPZB Antibody (monoclonal) (M02) - 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.

CAPZB Antibody (monoclonal) (M02) - 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.