

CACYBP Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CACYBP.****Catalog # AT1370a****Specification**

CACYBP Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9HB71
Other Accession	BC005975
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	26210

CACYBP Antibody (monoclonal) (M01) - Additional Information**Gene ID** 27101**Other Names**

Calcyclin-binding protein, CacyBP, hCacyBP, S100A6-binding protein, Siah-interacting protein, CACYBP, S100A6BP, SIP

Target/Specificity

CACYBP (AAH05975, 1 a.a. ~ 228 a.a) full-length 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

CACYBP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

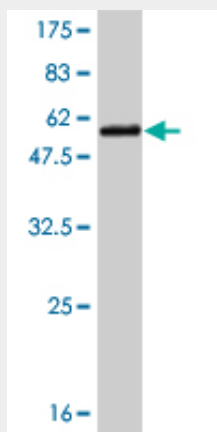
CACYBP Antibody (monoclonal) (M01) - Protocols

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

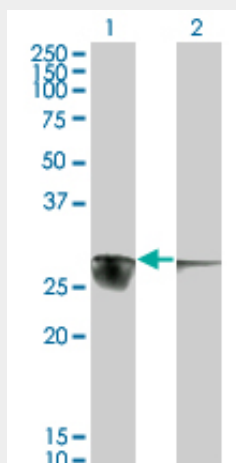
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

CACYBP Antibody (monoclonal) (M01) - Images



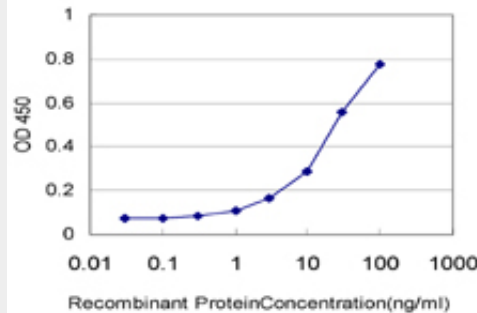
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (50.82 KDa) .



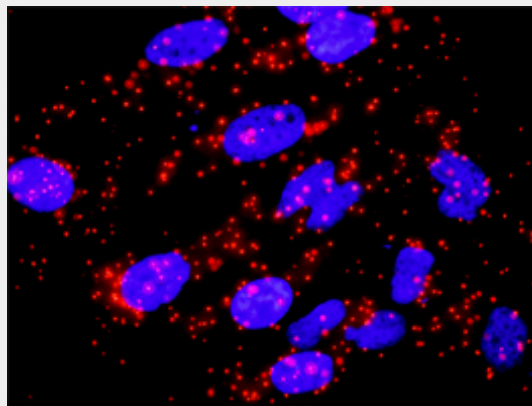
Western Blot analysis of CACYBP expression in transfected 293T cell line by CACYBP monoclonal antibody (M01), clone 2E3.

Lane 1: CACYBP transfected lysate (26.61 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CACYBP is approximately 1ng/ml as a capture antibody.



Proximity Ligation Analysis of protein-protein interactions between SKP1 and CACYBP. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal 1:1200 and anti-CACYBP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

CACYBP Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation of beta-catenin. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene.

CACYBP Antibody (monoclonal) (M01) - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Expression and clinical significance of CacyBP/SIP in pancreatic cancer. Chen X, et al. Pancreatology, 2008. PMID 18765951. Expression of calcyclin-binding protein/Siah-1 interacting protein in normal and malignant human tissues: an immunohistochemical survey. Zhai H, et al. J Histochem Cytochem, 2008 Aug. PMID 18443365. Calcyclin-binding protein inhibits proliferation, tumorigenicity, and invasion of gastric cancer. Ning X, et al. Mol Cancer Res, 2007 Dec. PMID 18171983. Overexpressed CacyBP/SIP leads to the suppression of growth in renal cell carcinoma. Sun S, et al. Biochem Biophys Res Commun, 2007 May 18. PMID 17400182.