10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CACYBP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CACYBP.
Catalog # AT1370a

Product Information

Application	WB, E
Primary Accession	Q9HB71
Other Accession	BC005975
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2E4
Calculated MW	26210

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

Background

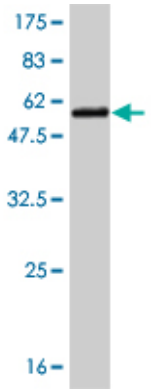
The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation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

References

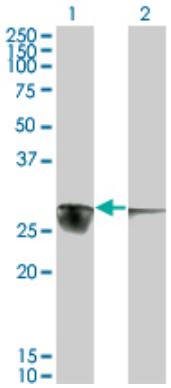
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID

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.

Images

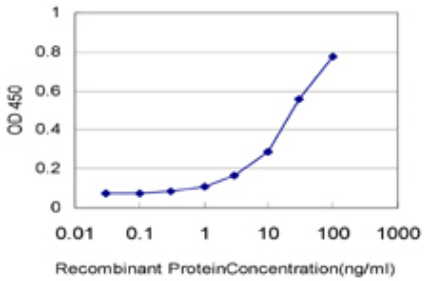


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (50.82 KDa) .

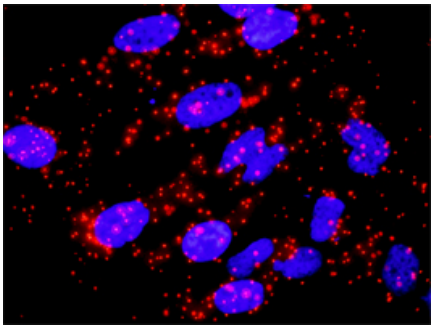


Western Blot analysis of CACYBP expression in transfected 293T cell line by CACYBP monoclonal antibody (M01), clone 2E3.

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).

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