

Human CACYBP antibody

Catalog Number: ATGA0316

PRODUCT INFORMATION

Catalog number

ATGA0316

Clone No.

AT3G8

Product type

Monoclonal Antibody

UnitProt No.

Q9HB71

NCBI Accession No.

NP_001007215

Alternative Names

Clcyclin-binding protein, GIG5, PNAS-107, RP1-102G20.6, S100A6BP, SIP, Clcyclin-binding protein CACYBP, Calcyclin binding protein, GIG 5, Growth inhibiting gene 5, Growth inhibiting gene 5 protein, hCacyBP, MGC87971, PNAS 107, PNAS107, RP1 102G20.6, S100A6 binding protein.

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human CACYBP (1-185aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CACYBP (Calcyclin-binding protein) is primarily a nuclear protein that contains one CS domain and one SGS domain. CACYBP is believed to be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It most likely serves as a molecular bridge in ubiquitin E3 complexes. It also participates in the ubiquitin-mediated degradation of b-catenin. CACYBP is thought to be a potential inhibitor of cell growth and invasion in the gastric cancer cell through its effects on b-catenin protein expression and transcriptional activation of TCF/LEF.

General References

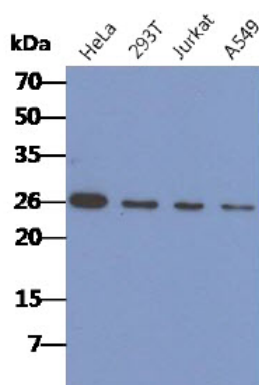
Ghosh. D., et al. (2013) Mol Cell Proteomics 12(7): 1865-1880

Rines. A.K., et al. (2012) FASEB 26(11): 4685-4695

Ning. X., et al. (2007) Mol Cancer Res 5(12): 1254-1262

DATA

Western blot analysis (WB)



The cell lysates of HeLa, 293T, Jurkat and A549(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CACYBP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of CACYBP in PC3 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CACYBP antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

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