

Anti-CACYBP Antibody
Catalog # ABO12780

Specification

Anti-CACYBP Antibody - Product Information

Application	WB, IHC
Primary Accession	O9HB71
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Calcyclin-binding protein(CACYBP) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CACYBP Antibody - Additional Information

Gene ID 27101

Other Names

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

Calculated MW

26210 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Nucleus . Cytoplasm . Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.

Protein Name

Calcyclin-binding protein

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human CACYBP (7-47aa QKDLEEVKVLLEKATRKRVRDALTAEKSKIETEIKNKMQQK), different from the related mouse sequence by five amino acids, and from the related rat sequence by six amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-CACYBP Antibody - Protein Information

Name CACYBP

Synonyms S100A6BP, SIP

Function

May be involved in calcium-dependent ubiquitination and subsequent proteasomal degradation of target proteins. Probably serves as a molecular bridge in ubiquitin E3 complexes. Participates in the ubiquitin-mediated degradation of beta-catenin (CTNNB1).

Cellular Location

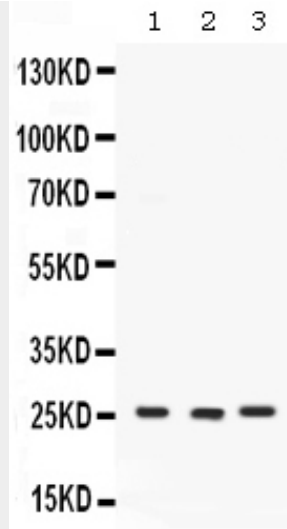
Nucleus. Cytoplasm. Note=Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated

Anti-CACYBP Antibody - Protocols

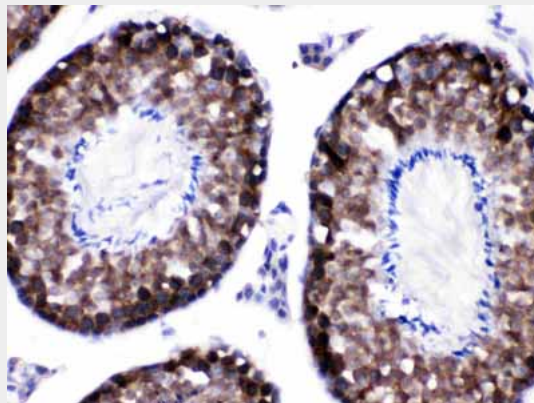
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

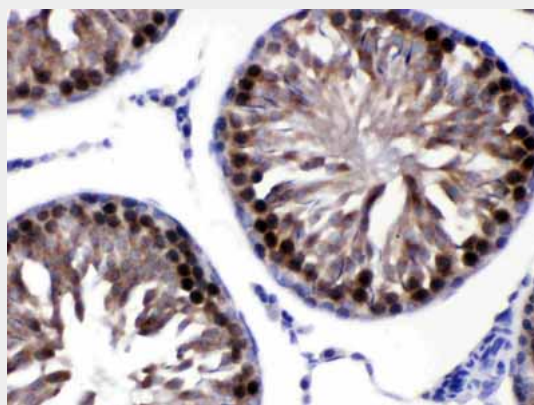
Anti-CACYBP Antibody - Images



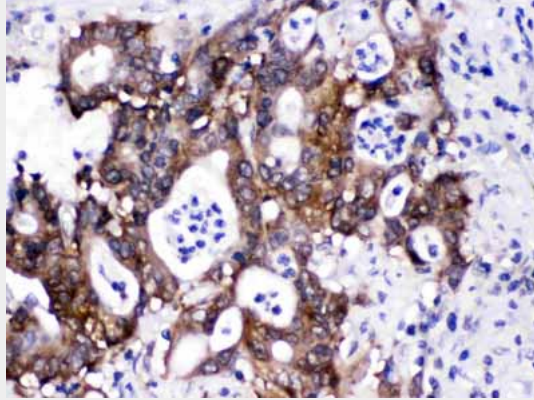
Western blot analysis of CACYBP expression in rat brain extract (lane 1), mouse testis extract (lane 2) and SW620 whole cell lysates (lane 3). CACYBP at 26KD was detected using rabbit anti-CACYBP Antigen Affinity purified polyclonal antibody (Catalog # ABO12780) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .



CACYBP was detected in paraffin-embedded sections of mouse testis tissues using rabbit anti-CACYBP Antigen Affinity purified polyclonal antibody (Catalog # ABO12780) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



CACYBP was detected in paraffin-embedded sections of rat testis tissues using rabbit anti-CACYBP Antigen Affinity purified polyclonal antibody (Catalog # ABO12780) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



CACYBP was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- CACYBP Antigen Affinity purified polyclonal antibody (Catalog # ABO12780) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

Anti-CACYBP Antibody - Background

Calcyclin-binding protein is a protein that in humans is encoded by the CACYBP gene. And this gene is mapped to 1q24-q25. 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. In addition, 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.