

# **CACYBP Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54695

### **Specification**

# **CACYBP Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession Q9HB71

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 26 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human CACYBP/S100A6BP

Epitope Specificity 61-95/228

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR 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.

SIMILARITY Contains 1 CS domain.Contains 1 SGS

domain.

SUBUNIT Homodimer. Interacts with proteins of the

S100 family S100A1, S100A6, S100B, S100P and S100A12 at physiological calcium concentrations (By similarity). Component of some large E3 complex at least composed of UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X. Interacts directly with SIAH1, SIAH2 and

SKP1

Post-translational modifications Phosphorylated on serine residues.

Phosphorylated upon induction by RA or at

high calcium concentrations.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

### **Background Descriptions**

SIAH Interacting Protein 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 Polyclonal Antibody - Additional Information**

#### Gene ID 27101

### **Other Names**

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

#### **Dilution**

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<span class ="dilution_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution_IF">IF~~1:50~200</span><br \> <span class ="dilution_ICC">ICC~~N/A</span><br \> <span class ="dilution_E">E~~N/A</span>
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#### **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **CACYBP Polyclonal 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

# **CACYBP Polyclonal 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 Cytomety
- Cell Culture

# **CACYBP Polyclonal Antibody - Images**