

Rabbit Anti-CACYBP antibody

SL11975R

Product Name CACYBP

Chinese Name 周期蛋白 Binding protein 抗体

Alias SIAH Interacting Protein; CACYBP; Calcyclin binding protein; GIG 5; GIG5; Growth inhibiting gene 5; Calcyclin-binding protein; Siah-interacting protein; Growth inhibiting gene 5 protein; hCacyBP; MGC87971; PNAS 107; PNAS107; RP1 102G20.6; S100A6 binding protein; S100A6BP; SIP.

Research Area Cell biology Neurobiology Cyclin Binding protein

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,)

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 26kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human CACYBP/S100A6BP: 61-95/228

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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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. [provided by RefSeq, Jul 2008]

Function:

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.

Subunit:

Homodimer. Interacts with proteins of the S100 family S100A1, S100A6, S100B, S100P and S100A12 in a calcium-dependent manner (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.

Subcellular Location:

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

Product Detail

Post-translational modifications:

Phosphorylated on serine residues. Phosphorylated upon induction by RA or at high calcium concentrations.

Similarity:

Contains 1 CS domain.
Contains 1 SGS domain.

SWISS:

Q9HB71

Gene ID:

27101

Database links:

[Entrez Gene: 27101](#) Human



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[Oimim: 606186](#) Human

[SwissProt: Q9HB71](#) Human

[Unigene: 508524](#) Human