



Rabbit Anti-CACYBP antibody

SL11975R

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| 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. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 26kDa |
| Cellular localization: | The nucleuscytoplasmic |
| Form: | Lyophilized or 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 |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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. |
| PubMed: | PubMed |
| Product Detail: | 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

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

[Omim: 606186](#) Human

[SwissProt: Q9HB71](#) Human

[Unigene: 508524](#) Human

Important Note:

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

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