

For Research Use Only

# CACYBP Polyclonal antibody, PBS Only

Catalog Number: 11745-1-PBS

Featured Product



## Basic Information

Catalog Number:

11745-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2340

GenBank Accession Number:

BC022352

GeneID (NCBI):

27101

UNIPROT ID:

Q9HB71

Full Name:

calcylin binding protein

Calculated MW:

228 aa, 26 kDa

Observed MW:

26-30 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

CACYBP (Calcylin-binding protein) is also named as S100A6BP, SIP. It is a new target 30 kDa protein that can interact with S100 proteins, including S100A6, S100A1, S100B, and S100P, but not to S100A4, calbindin D, parvalbumin or calmodulin (PMID:22295074). It may be involved in calcium-dependent ubiquitination and subsequent proteasomal degradation of target proteins and probably serves as a molecular bridge in ubiquitin E3 complex. It has 2 isoforms produced by alternative splicing and can exist as a dimer (PMID:17916393).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

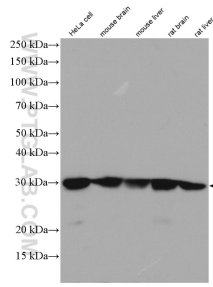
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

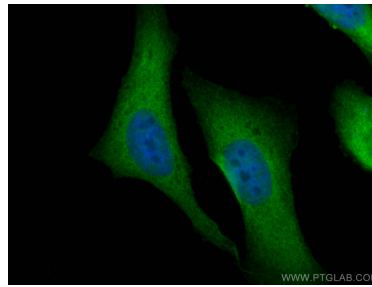
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

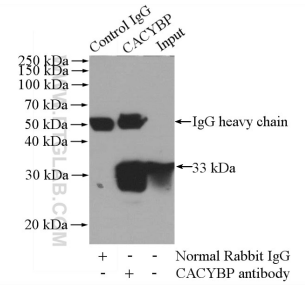
## Selected Validation Data



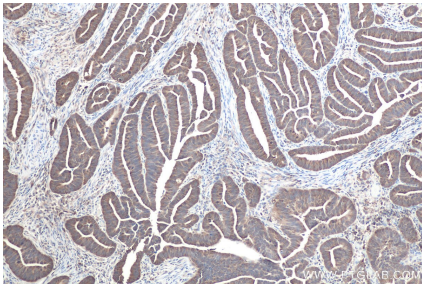
HeLa cells, mouse brain tissue, mouse liver tissue, rat brain tissue, and rat liver tissue were subjected to SDS PAGE followed by western blot with 11745-1-AP (CACYBP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11745-1-PBS in a different storage buffer formulation.



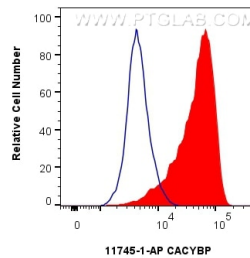
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CACYBP antibody (11745-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 11745-1-PBS in a different storage buffer formulation.



IP result of anti-CACYBP (IP:11745-1-AP, 4ug; Detection:11745-1-AP 1:1000) with mouse brain tissue lysate 4000ug. This data was developed using the same antibody clone with 11745-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11745-1-AP (CACYBP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11745-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25 ug CACYBP Polyclonal antibody (11745-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 11745-1-PBS in a different storage buffer formulation.