

## CACYBP Polyclonal Antibody

Catalog number: 11745-1-AP

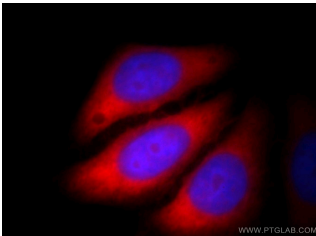
Size: 45 µg/150 µl

Source: Rabbit

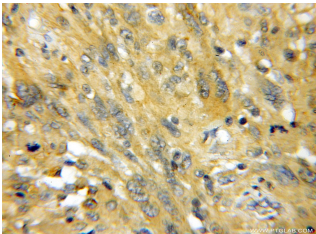
Isotype: IgG

Synonyms:

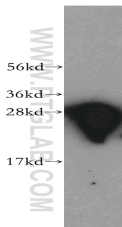
CACYBP; CACYBP, calcyclin binding protein, GIG5, hCacyBP, PNAS 107, RP1 102G20.6, S100A6 binding protein, S100A6BP, Siah interacting protein, SIP



Immunofluorescent analysis of HepG2 cells, using CACYBP antibody 11745-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human gliomas using 11745-1-AP(CACYBP antibody) at dilution of 1:50 (under 10x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 11745-1-AP(CACYBP antibody) at dilution of 1:500

### Background

CACYBP(Calcyclin-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 complexe. It has 2 isoforms produced by alternative splicing and can exist as a dimer(PMID:17916393).

### Applications

Tested applications:	ELISA, WB, IHC, IF, FC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated CACYBP MW:	228aa, 26 kDa
Observed CACYBP MW:	26 kDa
Positive WB detected in	Human brain tissue, HeLa cells, human skin tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human gliomas tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:10-1:100
	FC: N/A

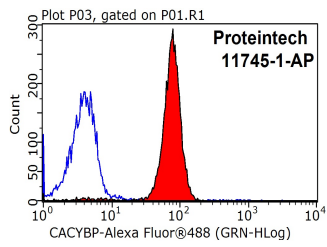
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

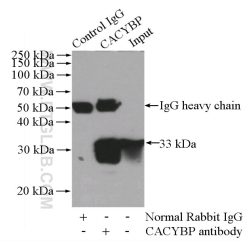
Immunogen:	Ag2340
GenBank accession number:	BC022352
Gene ID (NCBI):	27101
Full name:	Calcyclin binding protein

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



1X10<sup>6</sup> HeLa cells were stained with 0.2ug CACYBP antibody (11745-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



IP Result of anti-CACYBP (IP:11745-1-AP, 4ug; Detection:11745-1-AP 1:1000) with mouse brain tissue lysate 4000ug.