

For Research Use Only

CACYBP Monoclonal antibody

Catalog Number: 68161-1-Ig



Basic Information

Catalog Number:

68161-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

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:

Protein A purification

CloneNo.:

3C2G11

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HCT 116 cells, 4T1 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IP : HeLa cells,

IHC : mouse brain tissue,

IF/ICC : HEK-293 cells,

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

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

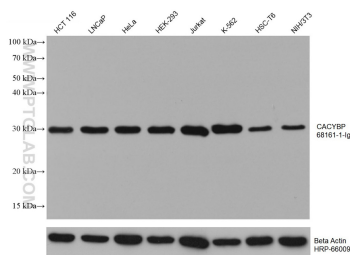
T: 4006900926

E: Proteintech-CN@ptglab.com

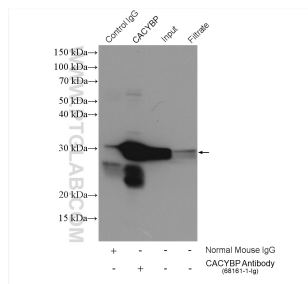
W: ptgcn.com

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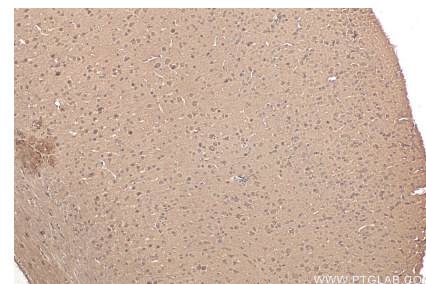
Selected Validation Data



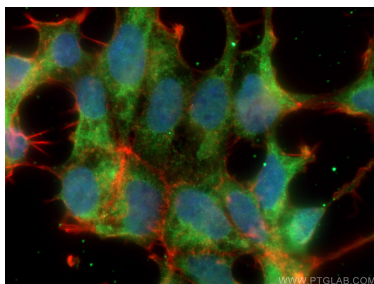
Various lysates were subjected to SDS PAGE followed by western blot with 68161-1-Ig (CACYBP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



IP result of anti-CACYBP (IP:68161-1-Ig, 5ug; Detection:68161-1-Ig 1:10000) with HeLa cells lysate 1880 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68161-1-Ig (CACYBP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CACYBP antibody (68161-1-Ig, Clone: 3C2G11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).