

For Research Use Only

CACYBP Monoclonal antibody

Catalog Number: 68161-1-Ig



Basic Information

Catalog Number: 68161-1-Ig	GenBank Accession Number: BC022352	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 27101	CloneNo.: 3C2G11
Source: Mouse	UNIPROT ID: Q9HB71	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
Isotype: IgG2a	Full Name: calcyclin binding protein	
Immunogen Catalog Number: AG2340	Calculated MW: 228 aa, 26 kDa	
	Observed MW: 26-30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HCT 116 cells, 4T1 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : HeLa cells, IHC : mouse brain tissue, IF/ICC : HEK-293 cells,

Background Information

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).

Storage

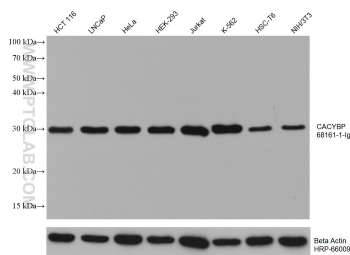
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

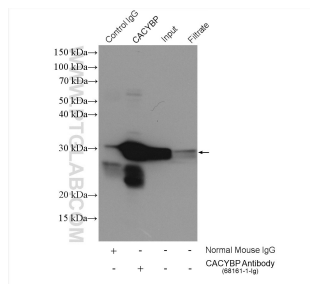
For technical support and original validation data for this product please contact:
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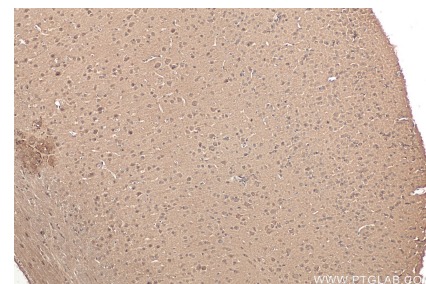
Selected Validation Data



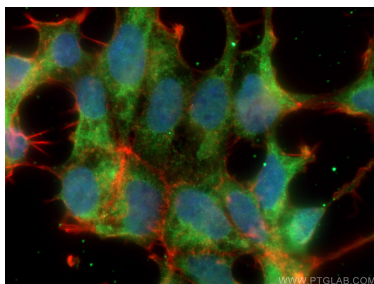
Various lysates were subjected to SDS PAGE followed by western blot with 68161-1-Ig (CACYBP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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).