

For Research Use Only

# CACYBP Monoclonal antibody, PBS Only



Catalog Number: 68161-1-PBS

## Basic Information

<b>Catalog Number:</b> 68161-1-PBS	<b>GenBank Accession Number:</b> BC022352	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 27101	<b>CloneNo.:</b> 3C2G11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9HB71	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> calcylin binding protein	
<b>Immunogen Catalog Number:</b> AG2340	<b>Calculated MW:</b> 228 aa, 26 kDa	
	<b>Observed MW:</b> 26-30 kDa	

## Applications

**Tested Applications:**  
WB,IP,Indirect ELISA,IF

**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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

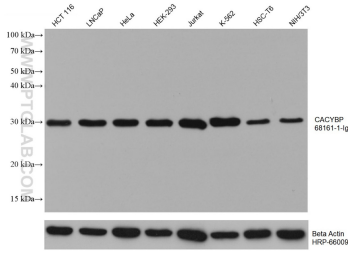
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

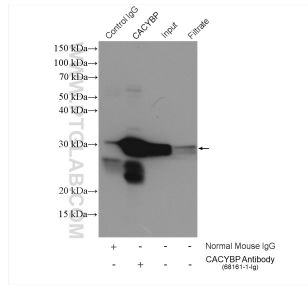
W: [ptgcn.com](http://ptgcn.com)

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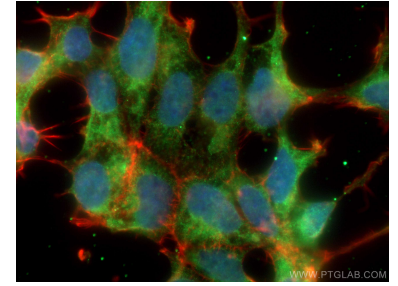
## Selected Validation Data



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. This data was developed using the same antibody clone with 68161-1-PBS in a different storage buffer formulation.



IP result of anti-CACYBP (IP:68161-1-Ig, 5ug; Detection:68161-1-Ig 1:10000) with HeLa cells lysate 1880 ug. This data was developed using the same antibody clone with 68161-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68161-1-PBS in a different storage buffer formulation.