

For Research Use Only

# CASD1 Polyclonal antibody, PBS Only

Catalog Number: 34104-1-PBS



## Basic Information

<b>Catalog Number:</b> 34104-1-PBS	<b>GenBank Accession Number:</b> BC063284	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64921	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96PB1	
<b>Isotype:</b> IgG	<b>Full Name:</b> CAS1 domain containing 1	
<b>Immunogen Catalog Number:</b> AG41108	<b>Observed MW:</b> 92 kDa	

## Applications

**Tested Applications:**  
IHC, IP, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CASD1 (CAS1 domain-containing 1) is a multi-pass transmembrane protein localized in the trans-Golgi network. It contains an N-terminal SGNH hydrolase domain and a C-terminal region with 15 transmembrane segments. CASD1 catalyzes the O-acetylation of the C9 position of CMP-sialic acid, generating the 9-O-acetylated CMP-sialic acid donor, which is subsequently used for the synthesis of O-acetylated gangliosides (e.g., 9-O-AcGD3). This modification shields sialic acid from recognition by viral receptors, participates in host-pathogen interactions, and regulates the pro-apoptotic activity of GD3. (PMID: 34208013)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

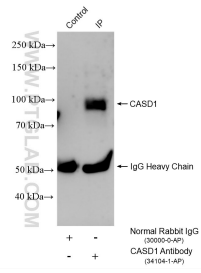
For technical support and original validation data for this product please contact:

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

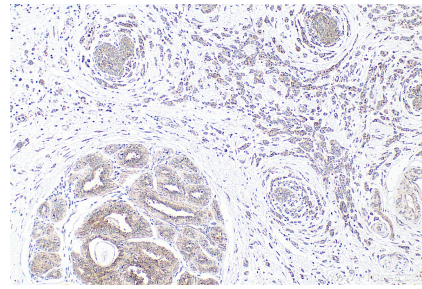
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

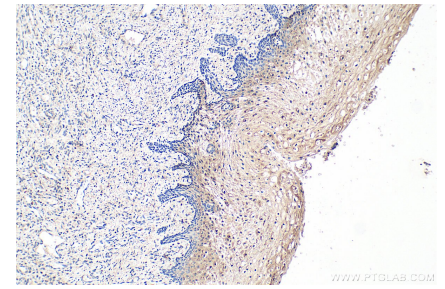
## Selected Validation Data



IP result of anti-CASD1 (IP:34104-1-AP, 4ug; Detection:34104-1-AP 1:300) with LNCaP cells lysate 1280 ug. This data was developed using the same antibody clone with 34104-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 34104-1-AP (CASD1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 34104-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 34104-1-AP (CASD1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 34104-1-PBS in a different storage buffer formulation.