

For Research Use Only

CASD1 Polyclonal antibody

Catalog Number: 34104-1-AP



Basic Information

Catalog Number: 34104-1-AP	GenBank Accession Number: BC063284	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 320 µg/ml by Nanodrop;	GeneID (NCBI): 64921	Recommended Dilutions: IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96PB1	
Isotype: IgG	Full Name: CAS1 domain containing 1	
Immunogen Catalog Number: AG41108	Observed MW: 92 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls: IP : LNCaP cells, IHC : human breast cancer tissue, human cervical cancer tissue
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

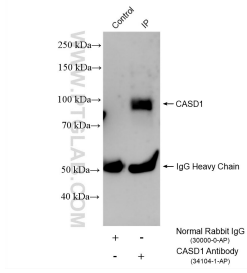
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

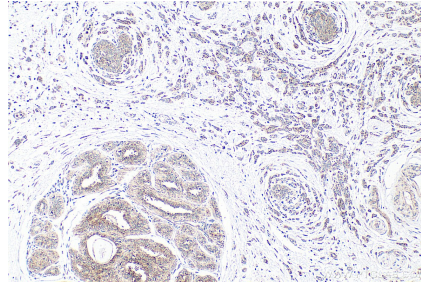
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

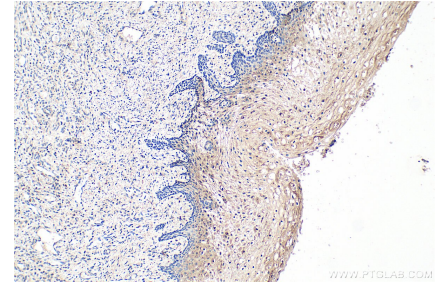
Selected Validation Data



IP result of anti-CASD1 (IP:34104-1-AP, 4ug;
Detection:34104-1-AP 1:300) with LNCaP cells
lysate 1280 ug.



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).



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).