

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
Source: Rabbit	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
Isotype: IgG	UNIPROT ID: Q96PB1	
Immunogen Catalog Number: AG41108	Full Name: CAS1 domain containing 1	
	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

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

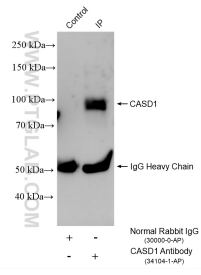
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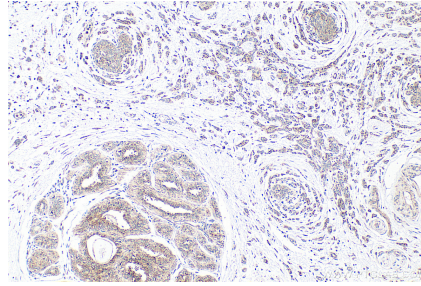
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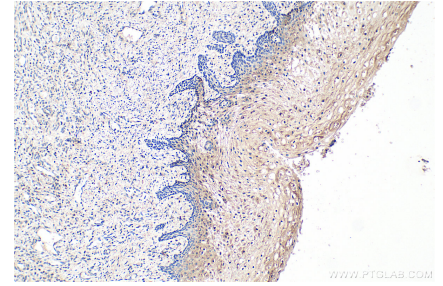
Selected Validation Data



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).