

For Research Use Only

CASD1 Polyclonal antibody, PBS Only

Catalog Number: 34104-1-PBS



Basic Information

Catalog Number:

34104-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG41108

GenBank Accession Number:

BC063284

GeneID (NCBI):

64921

UNIPROT ID:

Q96PB1

Full Name:

CAS1 domain containing 1

Observed MW:

92 kDa

Purification Method:

Antigen affinity Purification

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.

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

Storage Buffer:

PBS only, pH7.3

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

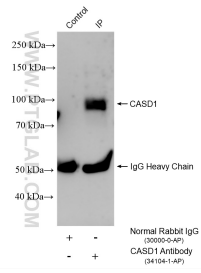
T: 4006900926

E: Proteintech-CN@ptglab.com

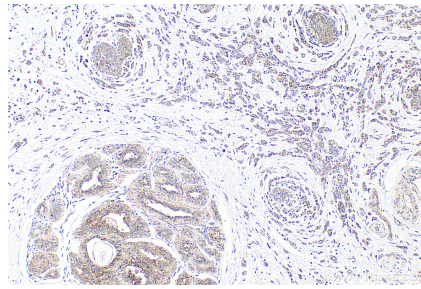
W: ptgcn.com

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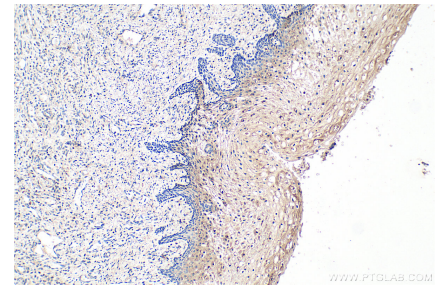
Selected Validation Data



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