

For Research Use Only

# CTNNAL1 Polyclonal antibody, PBS Only

Catalog Number: 32926-1-PBS

Featured Product



## Basic Information

Catalog Number:

32926-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38629

GenBank Accession Number:

NM\_003798

GeneID (NCBI):

8727

UNIPROT ID:

Q9UBT7

Full Name:

catenin (cadherin-associated protein),  
alpha-like 1

Calculated MW:

82 kDa

Observed MW:

82 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Catenin alpha-like protein 1 (CTNNAL1, also known as alpha-cadherin) is a cytoplasmic molecule that integrates the crosstalk between nuclear factor-kappa B (NF- $\kappa$ B) and Rho signaling pathways. It plays a crucial role in maintaining epithelial integrity and promoting wound repair in bronchial epithelial cells. CTNNAL1 has been shown to inhibit ozone-induced airway epithelial-mesenchymal transition and regulate mucus hypersecretion induced by house dust mite (HDM) (PMID: 38602002). Additionally, CTNNAL1 promotes the structural integrity of bronchial epithelial cells through the RhoA/ROCK1 pathway (PMID: 36535402). In cancer, CTNNAL1 regulates cancer stem cells (CSCs) in lung cancer and glioblastoma, modulating their migration and invasion abilities (PMID: 37239133).

## 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:

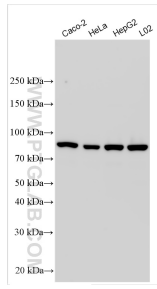
T: 4006900926

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

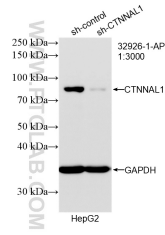
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32926-1-AP (CTNNAL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32926-1-PBS in a different storage buffer formulation.



WB result of CTNNAL1 antibody (32926-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CTNNAL1 transfected HepG2 cells. This data was developed using the same antibody clone with 32926-1-PBS in a different storage buffer formulation.