

For Research Use Only

CTNNAL1 Polyclonal antibody, PBS Only

Catalog Number: 32926-1-PBS



Basic Information

Catalog Number:

32926-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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- κ 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.

Storage Buffer:

PBS only, pH7.3

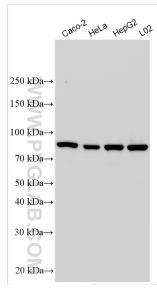
For technical support and original validation data for this product please contact:

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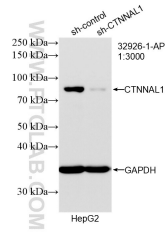
E: proteintech@ptglab.com
W: ptglab.com

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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.