

For Research Use Only

Cadherin-11 Polyclonal antibody

Catalog Number: 12028-1-AP

1 Publications



Basic Information

Catalog Number:

12028-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2659

GenBank Accession Number:

BC013609

GeneID (NCBI):

1009

UNIPROT ID:

P55287

Full Name:

cadherin 11, type 2, OB-cadherin (osteoblast)

Calculated MW:

796 aa, 88 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IF

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB: PC-3 cells,

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. Cadherin-11 (CDH11), also known as osteoblast cadherin (OB-cadherin) or OSF-4, was identified initially in a mouse osteoblastic cell line and human osteosarcoma (PMID: 8163513). Cadherin-11 is a single pass transmembrane protein consisting of an extracellular domain which contains five repeat sequences (EC1-EC5), a transmembrane segment and a cytoplasmic domain which links catenins to the actin and microtubule cytoskeleton (PMID: 8163513; 33442417). It has been shown that cadherin-11 plays important roles in the occurrence and development of a lot of diseases, arthritis, cancer, aortic calcification disease, dermatosis (PMID: 33442417).

Notable Publications

Author	Pubmed ID	Journal	Application
Hugang Zhang	40676021	Nat Commun	IF

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:

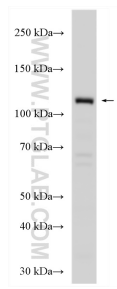
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 12028-1-AP (Cadherin-11 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.