

For Research Use Only

# Cadherin-11 Polyclonal antibody

Catalog Number: 12028-1-AP



## Basic Information

### Catalog Number:

12028-1-AP

### Size:

150ul, Concentration: 260 ug/ml by Nanodrop;

### 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

### Species Specificity:

human

### 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).

## 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

\*\*\* 20ul sizes contain 0.1% BSA

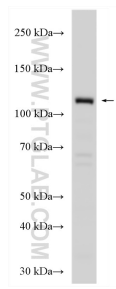
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## Selected Validation Data



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.