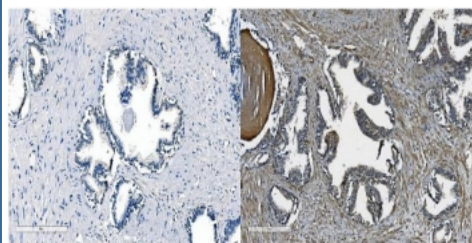


Cadherin 11 Antibody / CDH11 / OB-Cadherin (RQ6247)

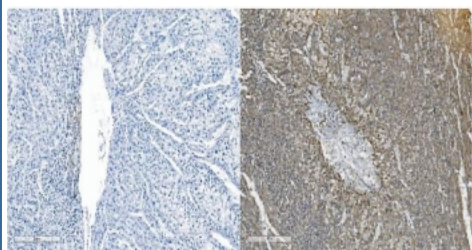
Catalog No.	Formulation	Size
RQ6247	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

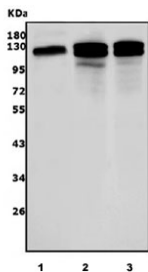
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55287
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Cadherin 11 antibody is available for research use only.



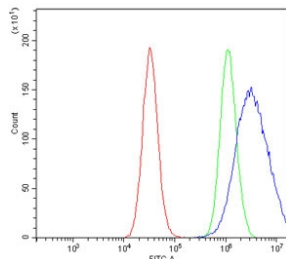
IHC staining of FFPE human prostate cancer with Cadherin 11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer with Cadherin 11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human PC-3, 2) rat brain and 3) mouse brain lysate with Cadherin 11 antibody. Predicted molecular weight ~120 kDa.



Flow cytometry testing of human PC-3 cells with Cadherin 11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OB-Cadherin antibody.

Description

Cadherin-11, also called Osteoblast cadherin or OB Cadherin, is a protein that in humans is encoded by the CDH11 gene. This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance.

Application Notes

Optimal dilution of the Cadherin 11 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids K371-S796) was used as the immunogen for the Cadherin 11 antibody.

Storage

After reconstitution, the Cadherin 11 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.