



Rabbit Anti-CDH11/OB Cadherin antibody

SL6444R

Product Name:	CDH11/OB Cadherin
Chinese Name:	钙粘附蛋白-11抗体
Alias:	Cadherin-11; OB-Cadherin; CDH11, CAD11; CAD11_HUMAN; Cadherin 11; Cadherin 11 type 2; Cadherin 11 type 2 OB cadherin (osteoblast); Cadherin-11; Cdh11; CDHOB; OB; OB-cadherin; OBcadherin; OSF-4; OSF4; Osteoblast cadherin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	90kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDH11/OB-Cadherin:301-300/796<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The cadherins are a family of Ca ⁺⁺ -dependent adhesion molecules that influence cell-cell binding and are critical to the maintenance of tissue structure and morphogenesis. OB-cadherin (osteoblast-cadherin, cadherin-11, OSF-4) has two forms, OB-cadherin-1 and OB-cadherin-2. OB-cadherin-2 has a truncated cytoplasmic domain, missing amino

acids 694-796. Both OB-cadherins are expressed in osteoblastic cell lines with low expression seen in lungs, testis and brain.

Function:

Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.

Subunit:

Interacts with PCDH8 (By similarity).

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Tissue Specificity:

Expressed mainly in brain but also found in other tissues. Expressed in neuroblasts.

DISEASE:

Note=A chromosomal aberration involving CDH11 is a common genetic feature of aneurysmal bone cyst, a benign osseous neoplasm. Translocation t(16;17)(q22;p13) with USP6. The translocation generates a fusion gene in which the strong CDH11 promoter is fused to the entire USP6 coding sequence, resulting in USP6 transcriptional up-regulation.

Similarity:

Contains 5 cadherin domains.

SWISS:

P55287

Gene ID:

1009

Database links:

[Entrez Gene: 1009](#) Human

[Entrez Gene: 12552](#) Mouse

[Entrez Gene: 84407](#) Rat

[Omim: 600023](#) Human

[SwissProt: P55287](#) Human

[SwissProt: P55288](#) Mouse

[Unigene: 116471](#) Human

[Unigene: 1571](#) Mouse

[Unigene: 8900](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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