SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CDH11/OB Cadherin antibody

Catalog Number: SL6444R

FOR RESEARCH USE ONLY

[DATASHEET]

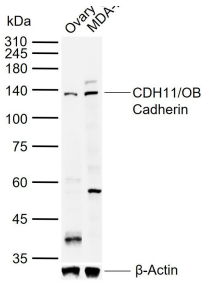
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CDH11/OB Cadherin
Immunogen:	KLH conjugated synthetic peptide derived from human CDH11/OB-Cadherin: 301-300/796 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	90kDa
Subcellular Location:	The cell membrane
Background:	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.

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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	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. **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

[VALIDATION IMAGES]



Sample:
Lane 1: Mouse Ovary tissue lysates
Lane 2: Human MDA-MB-231 cell lysates
Primary: Anti-CDH11/OB Cadherin (SL6444R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 90 kDa
Observed band size: 120 kDa

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