

Product datasheet for **AP01246PU-N**

OB Cadherin (CDH11) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500–1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 430–480 of Human OB-cadherin.
Specificity:	This antibody detects endogenous levels of OB-Cadherin protein. (region surrounding Lys444)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff – Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 88 kDa
Gene Name:	cadherin 11
Database Link:	Entrez Gene 1009 Human P55287

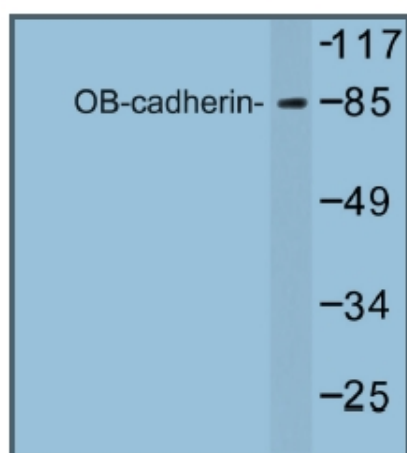


Background:

The cadherins are a family of Ca^{++} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including catenin beta, to regulate cadherin function. Two forms of OB-cadherin (for osteoblast-cadherin, also designated cadherin-11 or OSF-4) have been identified as OBcadherin-1 and OB-cadherin-2. Both OB-cadherins are expressed in osteoblastic cell lines and low expression is also seen in lungs, testis and brain. OB-cadherin-2 has a truncated cytoplasmic domain.

Synonyms:

Osteoblast cadherin, OSF-4, CDH11, OB Cadherin

Product images:

Western blot (WB) analysis of OB-cadherin antibody in extracts from Jurkat cells.