

## Cadherin-18 rabbit pAb

**Cat#: orb764698 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Cadherin-18 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CDH18. AA range:101-150
<b>Specificity</b>	Cadherin-18 Polyclonal Antibody detects endogenous levels of Cadherin-18 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cadherin-18
<b>Gene Name</b>	CDH18
<b>Cellular localization</b>	Cell membrane; Single-pass type I membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

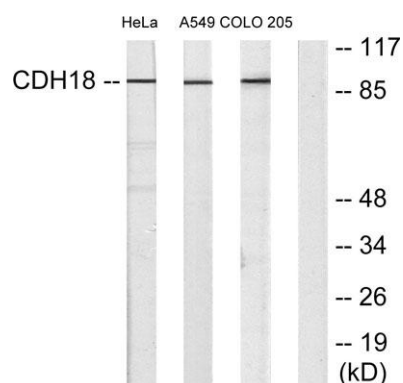
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	88kD
<b>Human Gene ID</b>	1016
<b>Human Swiss-Prot Number</b>	Q13634
<b>Alternative Names</b>	CDH18; CDH14; Cadherin-18; Cadherin-14

### Background

This gene encodes a type II classical cadherin from the cadherin superfamily of 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 HA V cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed specifically in the central nervous system and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014],



**Western Blot analysis of various cells using Cadherin-18 Polyclonal Antibody**



**Western blot analysis of lysates from HeLa, A549, and COLO205 cells, using CDH18 Antibody. The lane on the right is blocked with the synthesized peptide.**