

Cadherin Blocking Peptide
Catalog # PBV10153b**Specification**

Cadherin Blocking Peptide - Product Information

Primary Accession	P09803
Gene ID	12550
Calculated MW	98256

Cadherin Blocking Peptide - Additional Information**Gene ID** 12550**Application & Usage**

The peptide is used for blocking the antibody activity of active Cox-2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

Cadherin-1, ARC-1, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, E-Cad/CTF1, E-Cad/CTF2, E-Cad/CTF3, Cdh1

Target/Specificity

Cadherin

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Cadherin Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Cadherin Blocking Peptide - Protein Information**Name** Cdh1**Function**

Cadherins are calcium-dependent cell adhesion proteins (PubMed:11976333). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may

thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:11976333). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7 (By similarity).

Cellular Location

Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein. Endosome. Golgi apparatus, trans-Golgi network. Note=Colocalizes with DLGAP5 at sites of cell- cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma- catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm. Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane (By similarity)

Tissue Location

Expressed in inner and outer pillar cells of the organ of Corti (at protein level) (PubMed:30639848). Non-neural epithelial tissues.

Cadherin Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cadherin Blocking Peptide - Images