

**CDH7 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1471a****Specification**

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**CDH7 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9ULB5](#)

**CDH7 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 1005

**Other Names**

Cadherin-7, CDH7, CDH7L1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1471a](/product/products/AP1471a) was selected from the N-term region of human CDH7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CDH7 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** CDH7

**Synonyms** CDH7L1

**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.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**CDH7 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CDH7 Antibody (N-term) Blocking Peptide - Images**

#### **CDH7 Antibody (N-term) Blocking Peptide - Background**

CDH7 is a type II classical cadherin from the cadherin superfamily. This protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types and the maintenance of orderly structures.

#### **CDH7 Antibody (N-term) Blocking Peptide - References**

Moore,R., Oncogene 23 (40), 6726-6735 (2004)Kools,P., Genomics 68 (3), 283-295 (2000)Shimoyama,Y., Biochem. J. 349 (PT 1), 159-167 (2000)Kremmidiotis,G., Genomics 49 (3), 467-471 (1998)