

K Cadherin (CDH6) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP1415a**Specification**

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P55285](#)**K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1004**Other Names**

Cadherin-6, Kidney cadherin, K-cadherin, CDH6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1415a](/product/products/AP1415a) was selected from the N-term region of human CDH6. 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.

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Protein Information**Name** CDH6**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

Tissue Location

Highly expressed in brain, cerebellum, and kidney. Lung, pancreas, and gastric mucosa show a weak expression. Also expressed in certain liver and kidney carcinomas

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Images

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - Background

CDH6 is a type II classical cadherin from the cadherin superfamily. It is a calcium dependent cell-cell adhesion membrane glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types and the maintenance of orderly structures such as epithelium. Strong transcriptional expression of the CDH6 gene has been observed in hepatocellular and renal carcinoma cell lines, suggesting a possible role in metastasis and invasion.

K Cadherin (CDH6) Antibody (N-term) Blocking peptide - References

Liu,T., J. Proteome Res. 4 (6), 2070-2080 (2005)Shimoyama,Y., Biochem. J. 349 (PT 1), 159-167 (2000)Shimoyama,Y., J. Biol. Chem. 274 (17), 11987-11994 (1999)