

CDH16 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13746b**Specification**

CDH16 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O75309](#)**CDH16 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1014**Other Names**

Cadherin-16, Kidney-specific cadherin, Ksp-cadherin, CDH16

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13746b was selected from the C-term region of CDH16. 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.

CDH16 Antibody (C-term) Blocking peptide - Protein Information**Name** CDH16**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

Kidney specific.

CDH16 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CDH16 Antibody (C-term) Blocking peptide - Images

CDH16 Antibody (C-term) Blocking peptide - Background

This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development.

CDH16 Antibody (C-term) Blocking peptide - References

Thedieck, C., et al. J. Mol. Biol. 378(1):145-153(2008) Kuehn, A., et al. Am. J. Surg. Pathol. 31(10):1528-1533(2007) Thedieck, C., et al. Br. J. Cancer 92(11):2010-2017(2005) Hishikawa, K., et al. Biochem. Biophys. Res. Commun. 328(1):288-291(2005) Wendeler, M.W., et al. Exp. Cell Res. 294(2):345-355(2004)