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CDH4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1401a

Specification

CDH4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P55283

CDH4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 1002

Other Names
Cadherin-4, Retinal cadherin, R-CAD, R-cadherin, CDH4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1401a was selected from the N-term region of human CDH4. 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.

CDH4 Antibody (N-term) Blocking Peptide - Protein Information

Name CDH4

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. May play an important role in retinal development.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed mainly in brain but also found in other tissues

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CDH4 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CDH4 Antibody (N-term) Blocking Peptide - Images

CDH4 Antibody (N-term) Blocking Peptide - Background

CDH4 is a classical cadherin from the cadherin superfamily. It is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization.

CDH4 Antibody (N-term) Blocking Peptide - References

Miotto,E., Cancer Res. 64 (22), 8156-8159 (2004)Johnson,E., J. Biol. Chem. 279 (30), 31041-31049 (2004)Kitagawa,M., Biochem. Biophys. Res. Commun. 271 (2), 358-363 (2000)