

**MUPCDH Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2717a****Specification**

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**MUPCDH Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">Q9HBB8</a>
Other Accession	<a href="#">NP_068743.2</a> , <a href="#">NP_112554.2</a> , <a href="#">53841</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	88223

**MUPCDH Antibody (C-Term) - Additional Information****Gene ID** 53841**Other Names**

Cadherin-related family member 5, Mu-protocadherin, Mucin and cadherin-like protein, CDHR5, MUCDHL, MUPCDH

**Dilution**

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MUPCDH Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MUPCDH Antibody (C-Term) - Protein Information****Name** CDHR5 ([HGNC:7521](#))**Function**

Intermicrovillar adhesion molecule that forms, via its extracellular domain, calcium-dependent heterophilic complexes with CDHR2 on adjacent microvilli. Thereby, controls the packing of microvilli at the apical membrane of epithelial cells. Through its cytoplasmic domain, interacts with microvillus cytoplasmic proteins to form the intermicrovillar adhesion complex/IMAC. This complex

plays a central role in microvilli and epithelial brush border differentiation.

**Cellular Location**

Apical cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein

**Tissue Location**

Highest expression in kidney, liver, colon and small intestine. In kidney, expressed apically along brush border of proximal convoluted tubule but not in cortical collecting ducts Isoform 1 is expressed primarily in adult small intestine and colon Isoform 2 is highly expressed in fetal liver (PubMed:12167596) Expressed in duodenum with higher expression in enterocytes along the villus axis and lower expression in crypts (at protein level) (PubMed:24725409).

**MUPCDH Antibody (C-Term) - 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](#)

**MUPCDH Antibody (C-Term) - Images****MUPCDH Antibody (C-Term) - Background**

This antibody is expected to recognise both reported isoforms (NP\_068743.2; NP\_112554.2).

**MUPCDH Antibody (C-Term) - References**

Identification and expression analysis of the human mu-protocadherin gene in fetal and adult kidneys. Goldberg M, Wei M, Tycko B, Falikovich I, Warburton D. Am J Physiol Renal Physiol. 2002 Sep;283(3):F454-63. PMID: 12167596