

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

MUPCDH Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9HBB8
Other Accession	NP_068743.2 , NP_112554.2 , 53841
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

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