

CDHR5 / MUCDHL Antibody (Internal)

Rabbit Polyclonal Antibody Catalog # ALS11116

Specification

CDHR5 / MUCDHL Antibody (Internal) - Product Information

Application IHC
Primary Accession O9HBB8
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 88kDa KDa

CDHR5 / MUCDHL Antibody (Internal) - Additional Information

Gene ID 53841

Other Names

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

Target/Specificity

Human CDHR5 / MUPCDH. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

CDHR5 / MUCDHL Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

CDHR5 / MUCDHL Antibody (Internal) - 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).

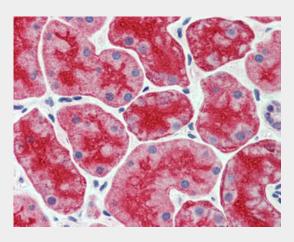
Volume 50 μl

CDHR5 / MUCDHL Antibody (Internal) - Protocols

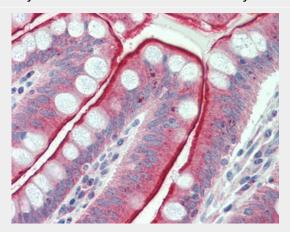
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CDHR5 / MUCDHL Antibody (Internal) - Images



Anti-CDHR5 / MUPCDH antibody ALS11116 IHC of human kidney.



Anti-CDHR5 / MUPCDH antibody ALS11116 IHC of human small intestine.



CDHR5 / MUCDHL Antibody (Internal) - Background

Acts as a calcium-dependent cell adhesion protein.

CDHR5 / MUCDHL Antibody (Internal) - References

Paris M.J., et al.Genomics 69:196-202(2000). Soleiman A., et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases. Clark H.F., et al.Genome Res. 13:2265-2270(2003). Ota T., et al.Nat. Genet. 36:40-45(2004). Taylor T.D., et al.Nature 440:497-500(2006).