

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human MUCDHL in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant mouse MUCDHL is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human MUCDHL Gln26-Ala434 Accession # Q9HBB8
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

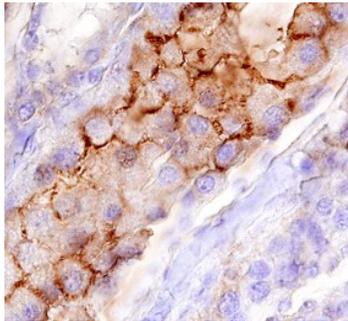
**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human MUCDHL
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

**DATA**

**Immunohistochemistry**



**MUCDHL in Human Kidney.**  
MUCDHL was detected in immersion fixed paraffin-embedded sections of human kidney using 15 µg/mL Goat Anti-Human MUCDHL Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3826) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific labeling was localized to the plasma membrane of epithelial cells in collecting tubules. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Mucin and cadherin-like protein (MUCDHL), also known as µ-protocadherin, is a 110 kDa type I transmembrane protein that is both O- and N-glycosylated. It is a calcium-dependant cell adhesion protein in the cadherin superfamily. MUCDHL is found on intestinal and renal epithelium. Human MUCDHL extracellular domain (ECD) contains four cadherin domains (residues 71-459) plus several mucin domains (residues 540-645). Alternate splicing creates four isoforms that differ in their mucin domains. In the region used as immunogen, human and mouse MUCDHL share 63% amino acid sequence identity.