

DESCRIPTION	
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects mouse and human Cadherin-17 in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human Cadherin-17 is observed.
<b>Source</b>	Polyclonal Rabbit IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Cadherin-17 Glu22-Met786 Accession # Q9R100
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

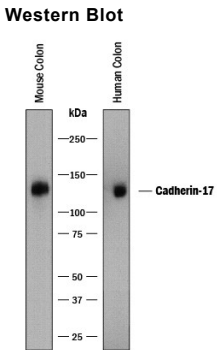
## APPLICATIONS

**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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1:1000 dilution	See Below
<b>Immunohistochemistry</b>	1:250 dilution	See Below
<b>Simple Western</b>	1:100 dilution	See Below

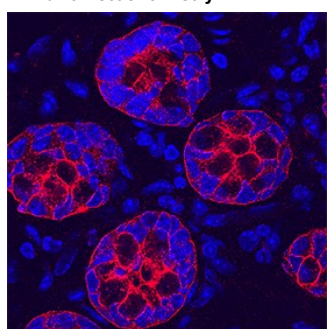
## DATA

**Western Blot**



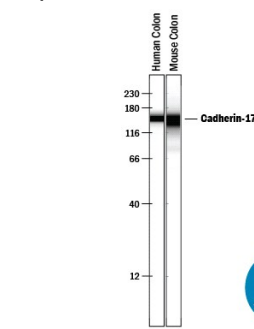
**Detection of Human and Mouse Cadherin-17 by Western Blot.** Western blot shows lysates of human colon tissue and mouse colon tissue. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Human/Mouse Cadherin-17 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8524) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Cadherin-17 at approximately 120 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

**Immunohistochemistry**



**Cadherin-17 in Mouse Intestine.** Cadherin-17 was detected in perfusion fixed frozen sections of mouse intestine using Rabbit Anti-Mouse Cadherin-17 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8524) at 1:250 dilution overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to the plasma membrane of glandular cells. View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

**Simple Western**



**Detection of Human and mouse Cadherin-17 by Simple Western™.** Simple Western lane view shows lysates of human colon tissue and mouse colon tissue, loaded at 0.2 mg/mL. Specific bands were detected for Cadherin-17 at approximately 152 and 146 kDa (as indicated) using 1:100 dilution of Rabbit Anti-Human/Mouse Cadherin-17 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8524). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. 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 opening.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after opening.</li> </ul>

## BACKGROUND

Cadherin-17, also known as liver-intestine (LI) Cadherin, belongs to the cadherin family of calcium-dependent cell adhesion molecules. It associates homotypically and is selectively expressed on gastric and intestinal mucosa.

## PRODUCT SPECIFIC NOTICES

\* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.