

DESCRIPTION

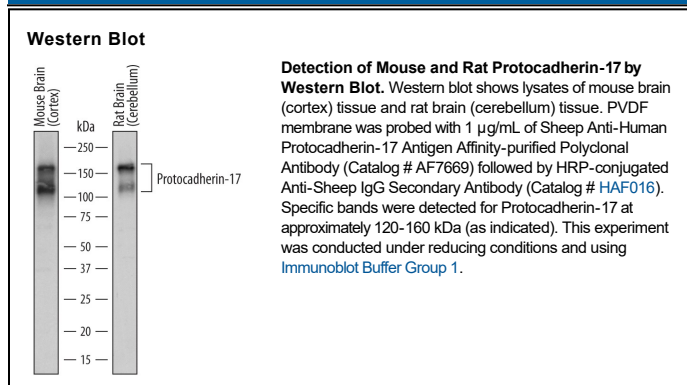
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat Protocadherin-17 in Western blots. In direct ELISAs, less than 5% cross-reactivity with Protocadherin-10 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human Protocadherin-17 Leu18-Ser705 Accession # O14917
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Protocadherin 17 (PCDH-17) is a 120-150 kDa glycoprotein, δ2-group member of the of the protocadherin subfamily, cadherin family of molecules. It is expressed on endothelium and epithelium such as stratified squamous epithelium and (likely) gastric columnar epithelium. PCDH17 is posited to act as an adhesion molecule, and appears to play a role in promoting cell cycle arrest and inhibiting migration. Mature human PCDH-17 is a type I transmembrane protein that is 1142 amino acids (aa) in length. It contains a 690 aa extracellular domain (ECD) (aa 18-707) plus a 431 aa cytoplasmic region. There are 6 cadherin domains in the ECD (aa 18-695). Two splice forms are reported that involve substitutions in the cytoplasmic region. The first possesses a 14 aa substitution, while the second shows a 25 aa substitution, both for aa 876-1159. Over aa 18-705, human PCDH-17 shares 98% aa identity with mouse PCDH-17.