

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.