Human/Mouse/Rat Protocadherin-17 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7669T
100 µg

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 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

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