

# T-cadherin Antibody

Catalog # ASC10345

#### Specification

### T-cadherin Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW

Application Notes

WB, IHC-P, IF, E <u>075355</u> <u>NP\_001248</u>, <u>956</u> Human, Mouse Rabbit Polyclonal IgG Predicted: 78, 84 kDa

Observed: 85 kDa KDa T-cadherin antibody can be used for the detection of T-cadherin by Western blot at  $0.5 - 1 \mu g/mL$ . Antibody can also be used for for immunohistochemistry starting at 5  $\mu g/mL$  and immunocytochemistry starting at 20  $\mu g/mL$ . For immunofluorescence start at 20  $\mu g/mL$ .

#### **T-cadherin Antibody - Additional Information**

Gene ID 956 Other Names T-cadherin Antibody: HB6, CD39L3, NTPDase-3, Ectonucleoside triphosphate diphosphohydrolase 3, CD39 antigen-like 3, NTPDase 3, ectonucleoside triphosphate diphosphohydrolase 3

#### Target/Specificity

T-cadherin antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human T-cadherin.<br><br>The immunogen is located within amino acids 150 - 200 of T-cadherin.

#### **Reconstitution & Storage**

T-cadherin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

#### Precautions

T-cadherin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### T-cadherin Antibody - Protein Information

Name ENTPD3



Synonyms CD39L3 {ECO:0000303|PubMed:9676430}

**Function** 

Has a threefold preference for the hydrolysis of ATP over ADP.

Cellular Location Cell membrane {ECO:0000250|UniProtKB:Q8BFW6}; Multi-pass membrane protein

**Tissue Location** Expressed in adult brain, pancreas, spleen and prostate (PubMed:9676430). Moderate or low expression is seen in most tissues (PubMed:9676430). Not expressed in liver and peripheral blood leukocytes (PubMed:9676430).

### T-cadherin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- **T-cadherin Antibody Images**



Western blot analysis of Aldh5A1 in human liver tissue lysate with Aldh5A1 antibody at (A) 0.25 and (B) 0.5  $\mu$ g/mL.





Western blot analysis of SUMO2/3 in Jurkat cell lysate with SUMO2/3 antibody at (A) 1 and (B) 2  $\mu g/mL$ 

## **T-cadherin Antibody - Background**

T-cadherin Antibody: T-cadherin was initially identified as cadherin-type cell adhesion molecule expressed in various neuronal populations in a temporally and spatially restricted pattern during axon growth. T-cadherin is an atypical member of the cadherin family because it does not possess the typical transmembrane and cytoplasmic domains but is instead anchored to the plasma membrane by glycosylphosphatidylinositol (GPI) linkage. T-cadherin may play a role in malignant tumor development as loss of the chromosome locus containing the T-cadherin gene correlates with the development of a variety of cancers. Recently it has been shown that T-cadherin can act as a receptor for hexameric and high-molecular weight forms of adiponectin, suggesting that T-cadherin may also play a role in metabolic regulation.

### **T-cadherin Antibody - References**

Ranscht B and Dours-Zimmerman MT. T-cadherin, a novel cadherin cell adhesion molecule in the nervous system lacks the conserved cytoplasmic region. Neuron 1991; 7:391-402.

Ivanov DB, Philippova MP, and Tkachuk VA. Structure and functions of classical cadherins Biochemistry (Moscow) 2001; 66:1175-66.

Takeuchi T, Misaki A, Chen BK, et al. H-cadherin expression in breast cancer. Histopathology 1999; 35:87-88.

Sato M, Mori Y, Sakurada A, et al. The H-cadherin (CDH13) gene is inactivated in human lung cancer. Hum. Gen. 1998; 103:96-101.