

T-cadherin Antibody
Catalog # ASC10345**Specification**

T-cadherin Antibody - Product Information

Application	WB
Primary Accession	O75355
Other Accession	NP_001248 , 956
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 78, 84 kDa

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

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

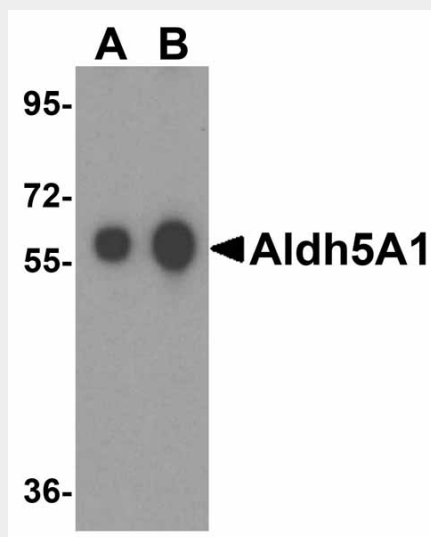
Expressed in adult brain, pancreas, spleen and prostate (PubMed:9676430). Moderate or low expression is seen in most tissues (PubMed:9676430). Not expressed in liver and peripheral blood leukocytes (PubMed:9676430).

T-cadherin Antibody - Protocols

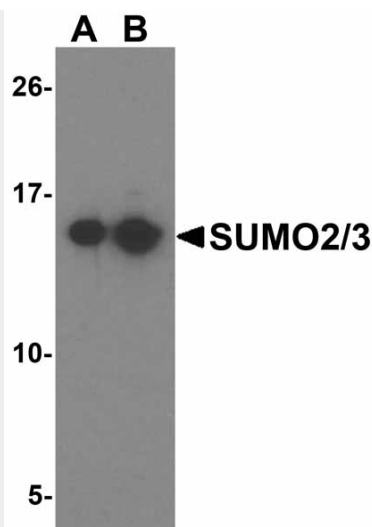
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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 µg/mL.



Western blot analysis of SUMO2/3 in Jurkat cell lysate with SUMO2/3 antibody at (A) 1 and (B) 2 µg/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.