Western blot analysis of T-cadherin in 3T3 lysate with T-cadherin antibody at (A) 0.5 and (B) 1 ug/mL.

Immunohistochemistry of T cadherin in mouse brain tissue with T cadherin Antibody at 5 ug/mL.

Immunofluorescence of T cadherin in mouse brain tissue with T cadherin Antibody at 20 ug/mL.

Green: T-cadherin antibody (3583)
Red: Phylloidin staining
Blue: DAPI staining

Immunofluorescence of T-cadherin in K562 cells with T-cadherin antibody at 20 ug/mL.

**T-cadherin Antibody**

**CATALOG NUMBER:** 3583

**Specifications**

**SPECIES REACTIVITY:** Human, Mouse

**HOMOLOGY:** Predicted species reactivity based on immunogen sequence: Bovine: (93%)

**TESTED APPLICATIONS:** ELISA, IF, IHC-P, WB

**APPLICATIONS:** T-cadherin antibody can be used for the detection of T-cadherin by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for for immunohistochemistry starting at 5 ug/mL and immunocytochemistry starting at 20 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.

**USER NOTE:** Optimal dilutions for each application to be determined by the researcher.

**POSITIVE CONTROL:**

1) Cat. No. 1212 - 3T3 Cell Lysate

2) Cat. No. 1204 - K562 Cell Lysate
PREDICTED MOLECULAR WEIGHT: Predicted: 78, 84 kDa
Observed: 85 kDa

SPECIFICITY: At least two isoforms of T-cadherin are known to exist.

IMMUNOGEN: 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.

HOST SPECIES: Rabbit

Properties
PURIFICATION: T-cadherin Antibody is affinity chromatography purified via peptide column.

PHYSICAL STATE: Liquid

BUFFER: T-cadherin Antibody is supplied in PBS containing 0.02% sodium azide.

CONCENTRATION: 1 mg/mL

STORAGE CONDITIONS: 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.

CLONALITY: Polyclonal

ISOTYPE: IgG

CONJUGATE: Unconjugated

Additional Info
ALTERNATE NAMES: T-cadherin Antibody: HB6, CD39L3, NTPDase-3, Ectonucleoside triphosphate diphosphohydrolase 3, CD39 antigen-like 3, NTPDase 3

ACCESSION NO.: NP_001248

PROTEIN GI NO.: 166197701

OFFICIAL SYMBOL: ENTPD3

GENE ID: 956

Background
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.

REFERENCES:

