

Anti-PCDHB10 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Rabbit)
Molecular Weight:	Theoretical: 84 kDa. Actual: 112 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: A549 (Human) Cell Lysate at 30 µg Primary: Anti-PCDHB10 (TMAB-10058) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84 kD Observed band size: 112 kD</p> <p>2. Sample: Hela (Human) Cell Lysate at 30 µg Primary: Anti-PCDHB10 (TMAB-10058) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84 kD Observed band size: 112 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (PCDHB10) Polyclonal Antibody, Unconjugated (TMAB-10058) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>4. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PCDHB10 Polyclonal Antibody, Unconjugated (TMAB-10058) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>5. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PCDHB10 Polyclonal Antibody, Unconjugated (TMAB-10058) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p>
Application:	WB,IHC-P,IHC-Fr,IF

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Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PCDHB10

Antigen Species: Human

Gene ID: 56126

Uniprot ID: Q9UN67

Research Background

Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated a, b and g, all of which contain multiple tandemly-arranged genes. PCDHB10 (protocadherin b10), also known as PCHB10 or PCDH-b10, is an 800 amino acid protein that is one of 16 proteins in the protocadherin b cluster. Unlike the a and g gene clusters, whose genes are spliced to downstream constant-region exons during transcription, members of the b cluster (such as PCDHB10) do not use constant-region exons to produce mRNAs. As a result, each protocadherin b gene encodes the transmembrane, extracellular and short cytoplasmic domains of the protein. Localized to the cell membrane, PCDHB10 is a single-pass type I membrane protein that contains six cadherin domains.

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