

Anti-PCDH7 Polyclonal Antibody 2

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Sheep) |
| Molecular Weight: | Theoretical: 113 kDa. Actual: 150 kDa. |
| Purification: | Protein A purified |

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 (PCDH7) Polyclonal Antibody, Unconjugated (TMAB-10050) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

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|--------------------|--|
| Verified Activity: | Hela (Human) Cell Lysate at 30 µg |
| | HepG2 (Human) Cell Lysate at 30 µg |
| | MCF-7 (Human) Cell Lysate at 30 µg |
| | NIH/3T3 (Mouse) Cell Lysate at 30 µg |
| | Primary: Anti-PCDH7 (TMAB-10050) at 1/1000 dilution |
| | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
| | Predicted band size: 113 kD |
| | Observed band size: 150 kD |

Application: WB, IHC-P, IHC-Fr, IF

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

Properties

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|----------------------|---|
| 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

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| Immunogen: | KLH conjugated synthetic peptide: human PCDH7 |
| Antigen Species: | Human |
| Gene ID: | 5099 |
| Uniprot ID: | O60245 |

Research Background

As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in a variety of cancers. PCDH7 (protocadherin 7), also known as BHPCDH or

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BH-Pcdh, is a 1069 amino acid single-pass I membrane protein that is expressed in the brain and heart. Containing seven cadherin domains, PCDH7 is thought to function in cell-cell recognition and adhesion. PCDH7 exists as three isoforms due to alternative splicing events.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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