

Anti-CDH12 Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep) |
| Molecular Weight: | Theoretical: 82 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (CDH12) Polyclonal Antibody, Unconjugated (TMAB-04151) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining. |
| Application: | IHC-P,IHC-Fr,IF |
| Recommended | 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 CDH12 |
| Antigen Species: | Human |
| Gene ID: | 1010 |
| Uniprot ID: | P55289 |

Research Background

The cadherins are a family of Ca⁺⁺-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morpho-genesis (1-4). Cadherins each contain a large extracellular domain at the amino terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity (5,6). The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including catenin b, to regulate cadherin function (7). BR-cadherin (for brain-cadherin, also designated cadherin-12 or N-cadherin 2) is expressed specifically in neurons in the central nervous system and is thought to be involved in neuronal development (8).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481