

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **CDH12 RABBIT PAB**

Cat.#: S221706

**Product Name:** Anti-CDH12 Rabbit Polyclonal Antibody

Synonyms: CDHB

UNIPROT ID: P55289 (Gene Accession - NP\_004052)

Background: This gene encodes a type II classical cadherin of the cadherin superfamily.

Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature cadherin protein. These integral membrane proteins mediate calcium-dependent cell-cell adhesion and are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a histidine-alanine-valine (HAV) cell adhesion recognition sequence specific to type I cadherins. This particular cadherin appears to be expressed specifically in the brain and its temporal pattern of expression would be consistent with a role during a critical period of neuronal development, perhaps specifically during synaptogenesis.

Immunogen: Synthetic peptide of human CDH12

Applications: ELISA, IHC

**Recommended Dilutions:** IHC: 50-100; ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

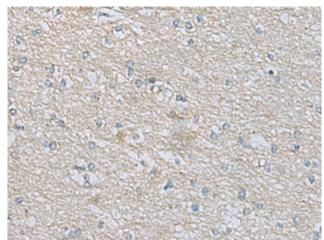
Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

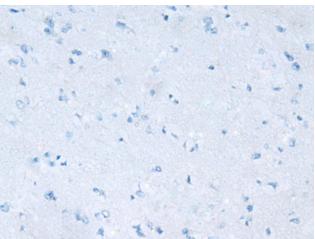


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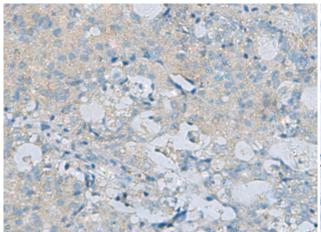
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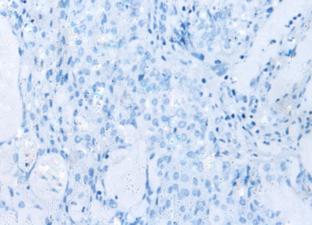
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 221706(CDH12 Antibody) at a dilution of 1/60(Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 221706(Anti-CDH12 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffinembedded Human ovarian cancer tissue using 221706(Anti-CDH12 Antibody) at a dilution of 1/60.



In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D263414(Anti-CDH12 Antibody) at dilution 1/60.