

CDH16 Polyclonal Antibody

Catalog Number:E-AB-62666

Note: Centrifuge before opening to ensure complete recovery of vial contents.

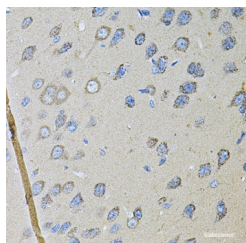
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human CDH16 (NP_004053.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

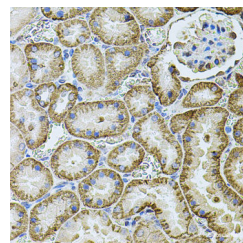
Applications Recommended Dilution

IHC	1:50-1:100
IF	1:50-1:100

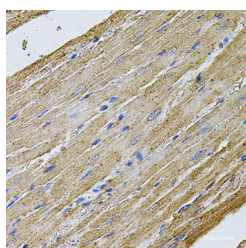
Data



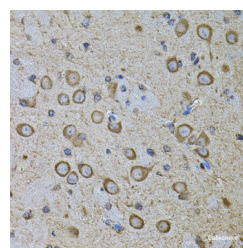
Immunohistochemistry of paraffin-embedded Rat brain using CDH16 Polyclonal Antibody at dilution of 1:100 (40x lens).



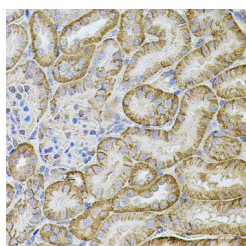
Immunohistochemistry of paraffin-embedded Rat kidney using CDH16 Polyclonal Antibody at dilution of 1:100 (40x lens).



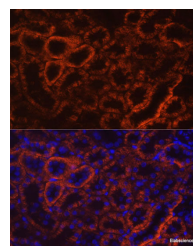
Immunohistochemistry of paraffin-embedded Rat heart using CDH16 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse brain using CDH16 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse kidney using CDH16 Polyclonal Antibody at dilution



Immunofluorescence analysis of Rat kidney using CDH16 Polyclonal Antibody at dilution of 1:100

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of 1:100 (40x lens).

(40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

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