CDH16 Rabbit Polyclonal Antibody

Catalog No: #55359

Package Size: #55359-1 50ul #55359-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

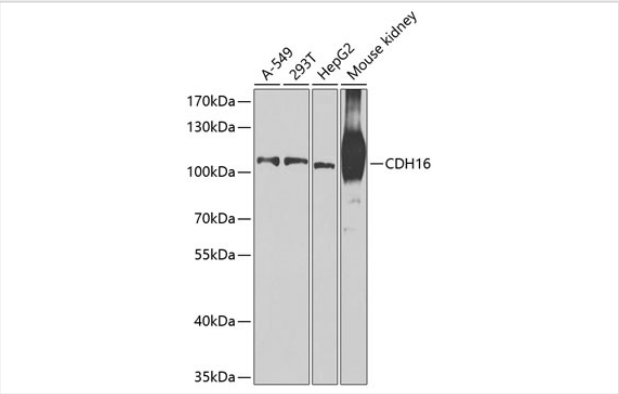
Description

Product Name	CDH16 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CDH16 (NP_004053.1).
Conjugates	Unconjugated
Other Names	CDH16
Accession No.	Swiss Prot:O75309GeneID:1014
Calculated MW	79kDa/85kDa/87kDa/89kDa
SDS-PAGE MW	110kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

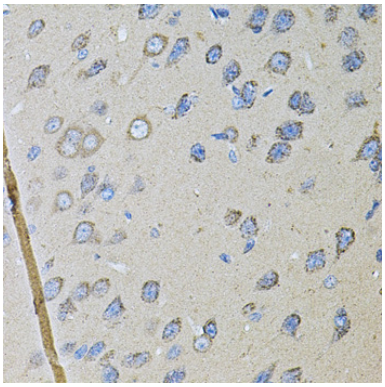
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

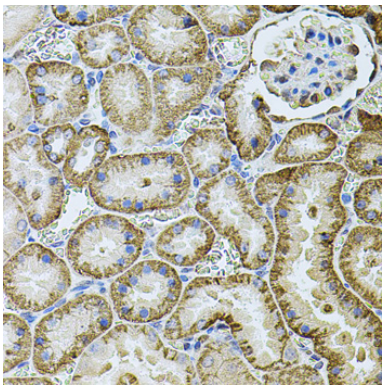
Images



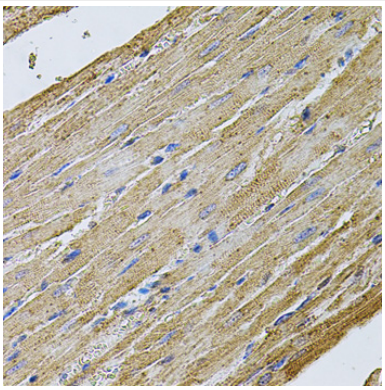
Western blot analysis of extracts of various cell lines, using CDH16 at 1:1000 dilution.



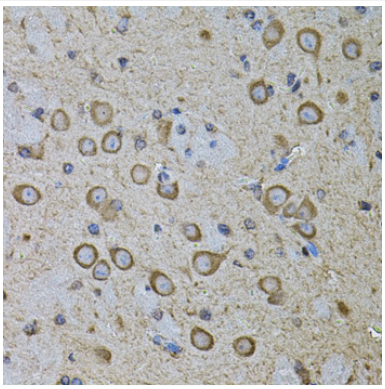
Immunohistochemistry of paraffin-embedded rat brain using CDH16 at dilution of 1:100 (40x lens).



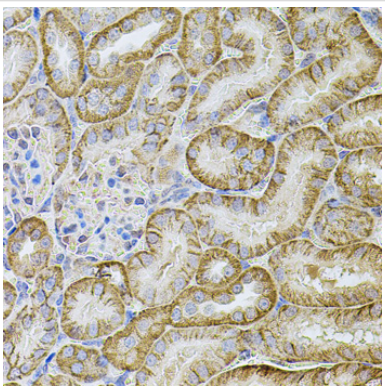
Immunohistochemistry of paraffin-embedded rat kidney using CDH16 at dilution of 1:100 (40x lens).



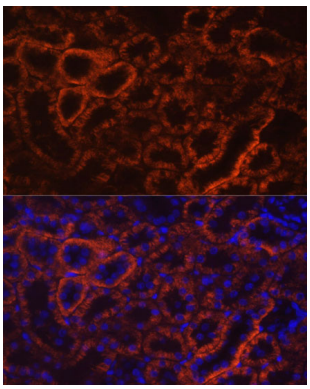
Immunohistochemistry of paraffin-embedded rat heart using CDH16 at dilution of 1:100 (40x lens).



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



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



Immunofluorescence analysis of rat kidney using CDH16 Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.