

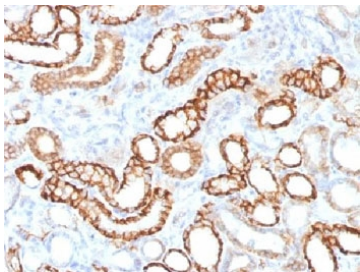
Recombinant Cadherin 16 Antibody / Rabbit Monoclonal [clone CDH16/1532R] (V7259)

Catalog No.	Formulation	Size
V7259-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7259-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7259SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7259IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

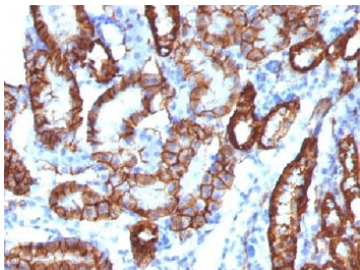
Recombinant **RABBIT MONOCLONAL**

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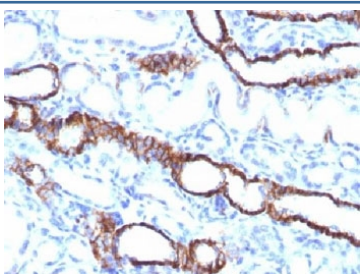
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CDH16/1532R
Purity	Protein A affinity chromatography
UniProt	O75309
Localization	Cell surface with some cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 ⁶ cells Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This recombinant Cadherin 16 antibody is available for research use only.



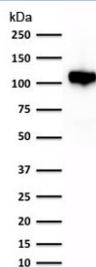
IHC testing of FFPE human renal cell carcinoma with recombinant Cadherin 16 antibody (clone CDH16/1532R). Required HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



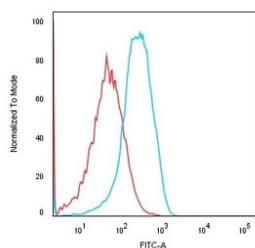
IHC testing of FFPE mouse kidney tissue with recombinant Cadherin 16 antibody (clone CDH16/1532R). Required HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



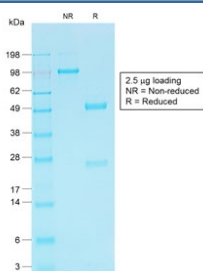
IHC testing of FFPE rat kidney tissue with recombinant Cadherin 16 antibody (clone CDH16/1532R). Required HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



Western blot testing of human kidney lysate with recombinant Cadherin 16 antibody (clone CDH16/1532R). Expected molecular weight: 90~130 kDa.



Flow cytometry testing of human HEK293 cells with recombinant Cadherin 16 antibody (clone CDH16/1532R); Red=isotype control, Blue= recombinant Cadherin 16 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant Cadherin 16 antibody (clone CDH16/1532R) as confirmation of integrity and purity.

Description

Cadherins form a superfamily of related glycoproteins that mediate calcium-dependent cell adhesion and transmit signals from the extracellular matrix to the cytoplasm. Cadherins have been implicated in embryogenesis, tissue morphogenesis, tissue structure maintenance, cell polarization, neoplastic invasiveness and metastasis, and membrane transport. It is suggested that CDH16 (kidney-specific cadherin, Cadherin 16) is a marker for terminal differentiation of the basolateral membranes of renal tubular epithelial cells. Within the kidney, CDH16 is found exclusively in the basolateral membrane of renal tubular epithelial cells and collecting duct cells, and not in glomeruli, renal interstitial cells, or blood vessels. CDH16 has been suggested to distinguish Chromophobe Renal-Cell Carcinoma from Oncocytoma.

Application Notes

Optimal dilution of the recombinant Cadherin 16 antibody to be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human protein was used as the immunogen for the recombinant Cadherin 16 antibody.

Storage

Store the recombinant Cadherin 16 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).