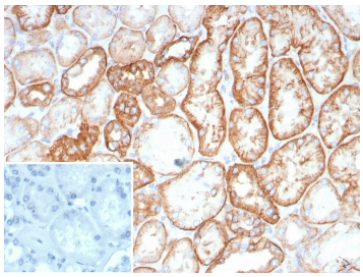
Cadherin 16 Antibody / CDH16 [clone CDH16/2449] (V4432)

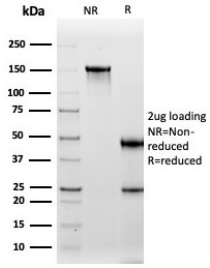
Catalog No.	Formulation	Size
V4432-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4432-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4432SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

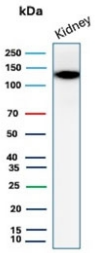
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDH16/2449
Purity	Protein A/G affinity
UniProt	O75309
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Cadherin 16 antibody is available for research use only.



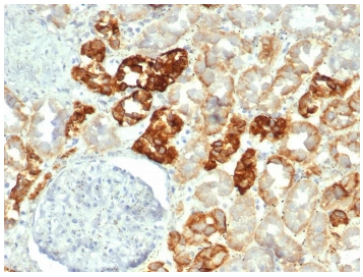
IHC staining of FFPE human kidney tissue with Cadherin 16 antibody (clone CDH16/2449). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Cadherin 16 antibody (clone CDH16/2449) as confirmation of integrity and purity.



Western blot testing of human kidney tissue lysate with Cadherin 16 antibody. Expected molecular weight: 90~130 kDa.



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Description

This mAb recognizes a protein of 130kDa, identified as Ksp-cadherin. 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 Ksp-cadherin is a marker for terminal differentiation of the basolateral membranes of renal tubular epithelial cells. Within the kidney, Ksp-Cadherin 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. Ksp-Cadherin has been suggested to distinguish Chromophobe Renal-Cell Carcinoma from Oncocytoma.

Application Notes

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

Immunogen

A recombinant partial protein sequence (within amino acids 300-600) from the human protein was used as the immunogen for the Cadherin 16 antibody.

Storage

Aliquot the Cadherin 16 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.