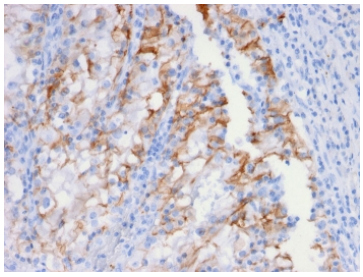
CDH16 Antibody / Cadherin 16 [clone CDH16/2448] (V7648)

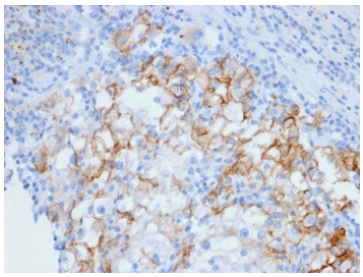
Catalog No.	Formulation	Size
V7648-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7648-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7648SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CDH16/2448
Purity	Protein G affinity chromatography
UniProt	O75309
Localization	Cell surface with some cytoplasmic
Applications	ELISA : order BSA-free format for coating Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CDH16 antibody is available for research use only.



IHC testing of FFPE human renal cell carcinoma and Cadherin 16 antibody. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.



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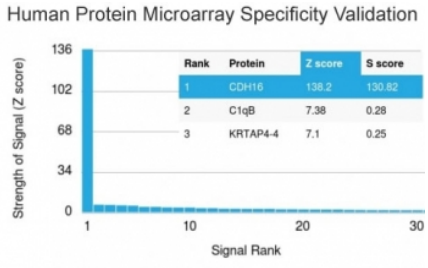
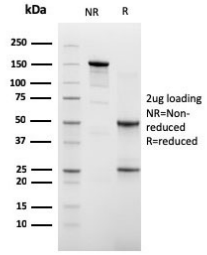


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CDH16 antibody (clone CDH16/2448). These results demonstrate the foremost specificity of the CDH16/2448 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CDH16 antibody as confirmation of integrity and purity.

Description

This MAb recognizes a protein of 130kDa, identified as Ksp-cadherin (also called CDH16 and Cadherin 16). 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 CDH16 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 371-507) was used as the immunogen for the CDH16 antibody.

Storage

Store the CDH16 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).