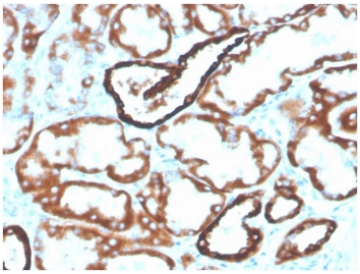
CDH16 Antibody / Cadherin 16 [clone CDH16/2125] (V3691BTN)

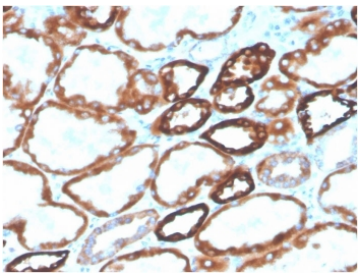
Catalog No.	Formulation	Size
V3691BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Biotin Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDH16/2125
Purity	Protein G affinity chromatography
UniProt	O75309
Localization	Cell surface with some cytoplasmic
Applications	ELISA : order unconjugated format for coating Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT
Limitations	This CDH16 antibody is available for research use only.



IHC testing of FFPE human kidney with biotinylated CDH16 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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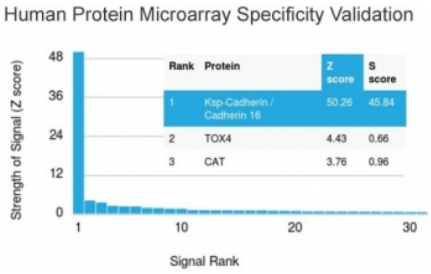
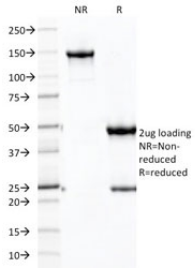


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CDH16 antibody. These results demonstrate the foremost specificity of the CDH16/2125 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged 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. 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 portion of amino acids 371-507 from the human protein was used as the immunogen for the CDH16 antibody.

Storage

Store the CDH16 antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).