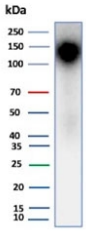
Recombinant Ksp-Cadherin Antibody / Cadherin 16 [clone rCDH16/7343] (V5385)

Catalog No.	Formulation	Size
V5385-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5385-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5385SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

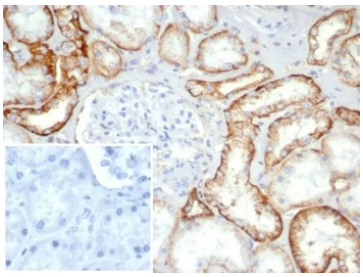
Recombinant | MOUSE MONOCLONAL

Bulk quote request

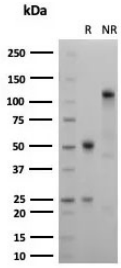
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCDH16/7343
Purity	Protein A/G affinity
UniProt	O75309
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This recombinant Ksp-Cadherin antibody is available for research use only.



Western blot testing of human kidney tissue lysate using recombinant Ksp-Cadherin antibody (clone rCDH16/7343). Expected molecular weight ~130 kDa.



IHC staining of FFPE normal human kidney tissue using recombinant Ksp-Cadherin antibody (clone rCDH16/7343) at 2ug/ml in PBS for 30min RT. Inset: PBS used in place of primary Ab (secondary Ab negative control).



SDS-PAGE analysis of purified, BSA-free recombinant Ksp-Cadherin antibody (clone rCDH16/7343) 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 recombinant Ksp-Cadherin antibody should be determined by the researcher.

Immunogen

Recombinant human full-length CDH16 protein was used as the immunogen for the recombinant Ksp-Cadherin antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com