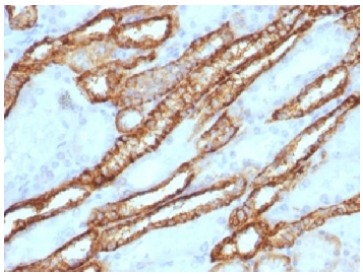
Cadherin 16 Antibody (V3271)

Catalog No.	Formulation	Size
V3271-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3271-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3271SAF-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, Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A affinity chromatography
UniProt	O75309
Localization	Cell surface with some cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cadherin 16 antibody is available for research use only.



IHC testing of FFPE human renal cell carcinoma with Cadherin 16 antibody. Required HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min.

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 Cadherin 16 antibody to be determined by the researcher.

Immunogen

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

Storage

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