

Datasheet for ABIN6939025
anti-Cadherin-16 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Cadherin-16 (CDH16)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin-16 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human CDH16 protein
Isotype:	IgG
Specificity:	This antibody recognizes a protein of 130 kDa, 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.
Cross-Reactivity (Details):	Human, Mouse, Rat,

Product Details

Purification: 200ug/ml of Ab Purified by Protein A.

Target Details

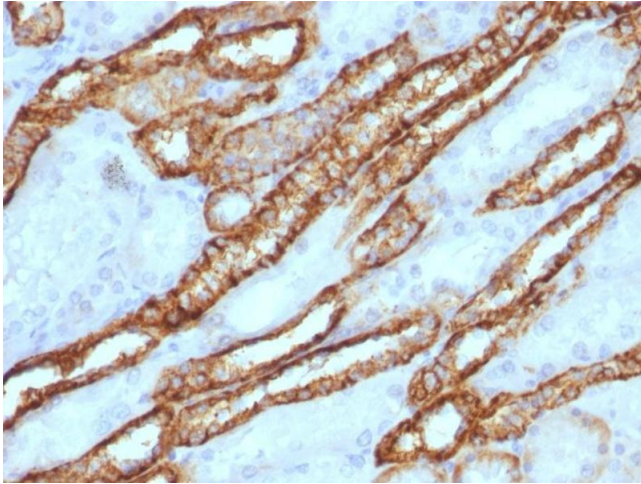
Target:	Cadherin-16 (CDH16)
Alternative Name:	CDH16 (CDH16 Products)
Background:	Cadherin-16 (CDH16), Kidney-specific cadherin, Ksp-cadherin antibody,Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Cellular localisation: Cell Surface with some cytoplasmic
Molecular Weight:	130kDa
Gene ID:	1014, 513660
UniProt:	O75309

Application Details

Application Notes:	Positive Control: Normal kidney or renal cell carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with KSP-Cadherin Rabbit Polyclonal Antibody.