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Anti-Ksp-Cadherin / CDH16 Antibody

Recombinant Rabbit Monoclonal Antibody
Catalog # AH13079

Product Information

Application	IHC-P, IF, FC
Primary Accession	O75309
Other Accession	513660
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit / IgG, kappa
Clone Names	CDH16/1532R
Calculated MW	89923

Additional Information

Gene ID	1014
Other Names	Cadherin-16 (CDH16); Kidney-specific cadherin; Ksp-cadherin antibody
Application Note	Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA buffer, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Format	200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Anti-Ksp-Cadherin / CDH16 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

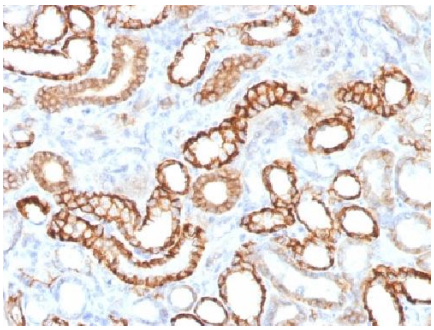
Protein Information

Name	CDH16
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Kidney specific.

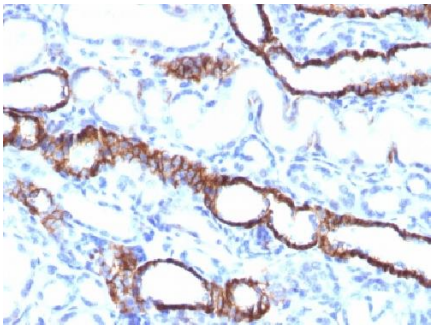
Background

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.

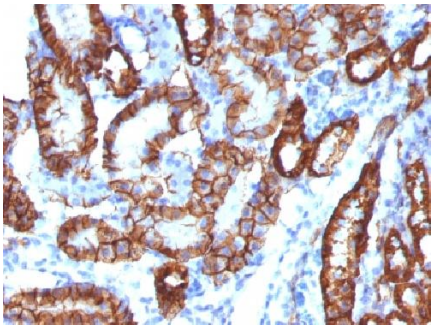
Images



Formalin-fixed, paraffin-embedded Human Renal Cell Carcinoma Stained with KSP-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH16/1532R)



Formalin-fixed, paraffin-embedded Rat Kidney stained with KSP-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH16/1532R)



Formalin-fixed, paraffin-embedded Mouse Kidney Stained with KSP-Cadherin Rabbit Monoclonal Antibody (CDH16/1532R)