10320 Camino Santa Fe, Suite G
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Anti-Ksp-Cadherin / CDH16 Antibody
Recombinant Rabbit Monoclonal Antibody
Catalog # AH13079

Specification

Anti-Ksp-Cadherin / CDH16 Antibody - Product Information

Application	**,14,3,4,**
Primary Accession	O75309
Other Accession	513660
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal**
Isotype	**Rabbit / IgG, kappa**
Calculated MW	**89923**

Anti-Ksp-Cadherin / CDH16 Antibody - Additional Information

Gene ID 1014

Other Names
Cadherin-16 (CDH16); Kidney-specific cadherin; Ksp-cadherin antibody

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.

Anti-Ksp-Cadherin / CDH16 Antibody - 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.

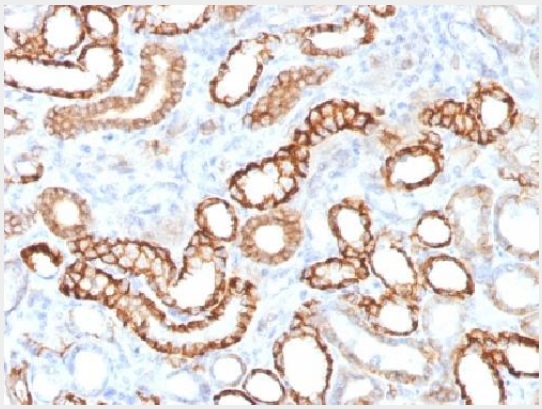
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Anti-Ksp-Cadherin / CDH16 Antibody - Protocols

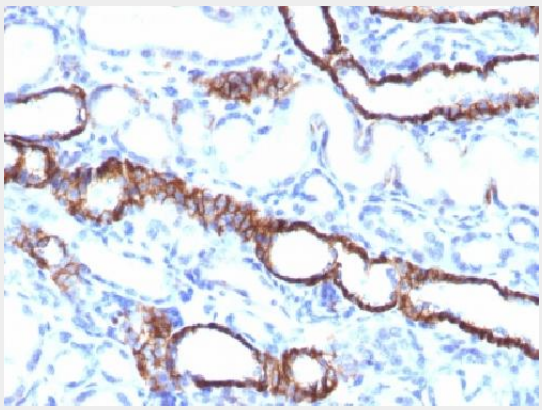
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Ksp-Cadherin / CDH16 Antibody - Images

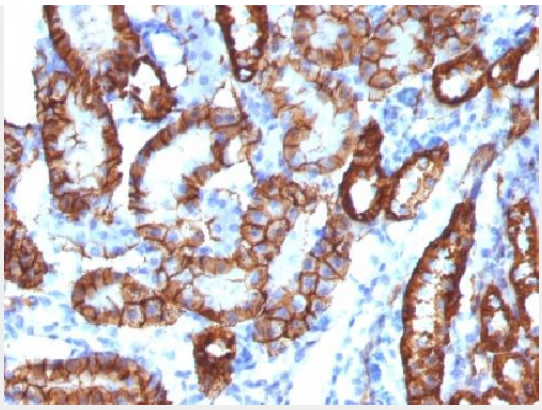


Formalin-fixed, paraffin-embedded Human Renal Cell Carcinoma Stained with KSP-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH16/1532R)



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

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

Anti-Ksp-Cadherin / CDH16 Antibody - 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.