

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM594]
Catalog # AH10986

Specification

**Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide -
Product Information**

Application	IHC, IF, FC
Primary Accession	O75309
Other Accession	1014 , 513660
Reactivity	Human, Mouse, Rat, Rabbit, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	130kDa KDa

**Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide -
Additional Information**

Gene ID 1014

Other Names

Cadherin-16, Kidney-specific cadherin, Ksp-cadherin, CDH16

Application Note

IHC~~1:100~500<br \>IF~~1:50~200<br \>FC~~1:10~50

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide -
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

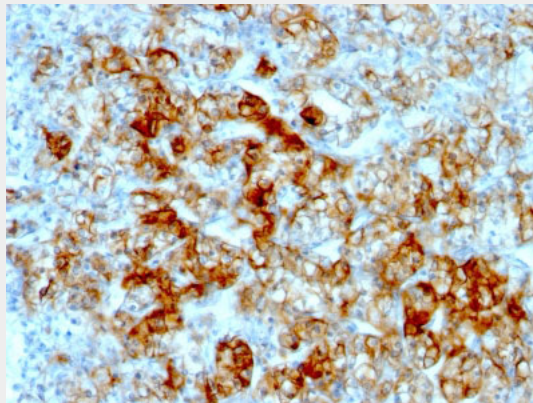
Tissue Location

Kidney specific.

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide - Images

Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with KSP-Cadherin Monoclonal Antibody (SPM594)

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide - 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.

Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody - With BSA and Azide - References

Shen, S.S., et al. 2005. Kidney-specific cadherin, a specific marker for the distal portion of the nephron and related renal neoplasms. *Mod Pathol.* 18: 933-40. | Mazal, P.R., et al. 2005. Expression of kidney-specific cadherin distinguishes chromophobe renal cell carcinoma from renal oncocytoma.

Hum Pathol. 36: 22-28. |