

Recombinant Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody

Mouse Monoclonal Antibody [Clone rCDH16/1071]

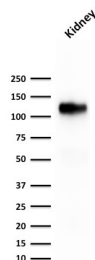
| Catalog No | Format | Size |
|-----------------|---|--------|
| 1014-MSM4-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1014-MSM4-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1014-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

| Applications | Tested Dillution | Note |
|----------------------------|---------------------|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

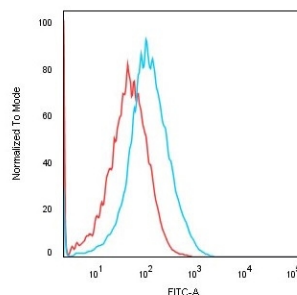
| Product Details | |
|------------------------|--|
| Clone | rCDH16/1071 |
| Gene Name | CDH16 |
| Immunogen | Recombinant full-length human CDH16 protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 130kDa |
| Cellular Localization | Cell membrane |
| Species Reactivity | Dog, Human, Mouse, Rabbit, Rat |
| Positive Control | HEK293 cells. Normal kidney or renal cell carcinoma. |

**Optimal dilution for a specific application should be determined.*

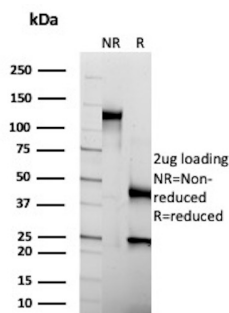
Product Images for Recombinant Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16 Antibody



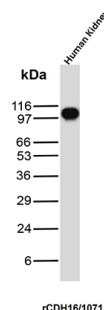
Western Blot Analysis of human kidney tissue lysate using KSP-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH16/1071).



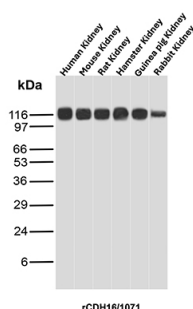
Flow Cytometric Analysis of Human HEK293 cells using KSP-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH16/1071) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



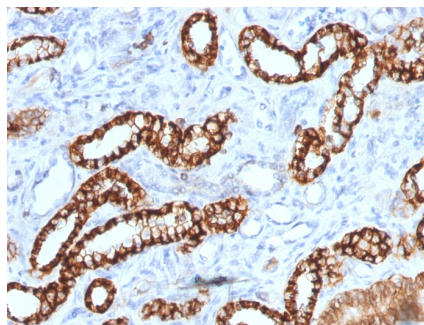
SDS-PAGE Analysis of Purified Cadherin-16 Recombinant Mouse Monoclonal Antibody (rCDH16/1071). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human kidney tissue lysate using KSP-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH16/1071).



Western Blot Analysis of kidney tissue lysates of different species using KSP-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH16/1071).



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with KSP-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH16/1071).

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.