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12-1014: Recombinant Rabbit Monoclonal Antibody to Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16(Clone : CDH16/1532R)

Clonality :	Monoclonal
Clone Name :	CDH16/1532R
Application :	WB,FACS,IHC
Reactivity :	Human, Mouse, Rat
Gene :	CDH16
Gene ID :	1014
Uniprot ID :	O75309
Format :	Purified
Alternative Name :	Cadherin-16 (CDH16), Kidney-specific cadherin, Ksp-cadherin antibody
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant human full-length CDH16 protein

Description

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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	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 condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western Blot (1-2Ã□Âµg/ml); Flow Cytometry (1-2Ã□Âµg/million cells); ,Immunohistochemistry (Formalin-fixed) (1-2Ã□Âµg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA buffer, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes),

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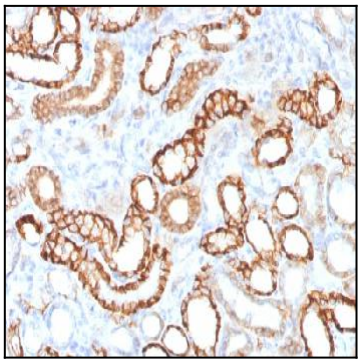


Figure 1: Formalin-fixed, paraffin-embedded Human Renal Cell Carcinoma stained with KSP-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH16/1532R)

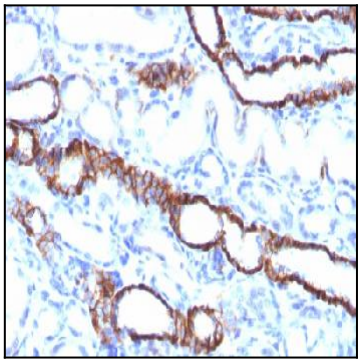


Figure 2: Formalin-fixed, paraffin-embedded Rat Kidney stained with KSP-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH16/1532R)

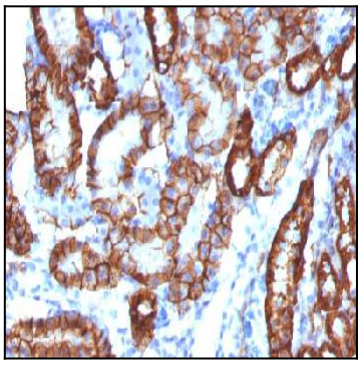


Figure 3: Formalin-fixed, paraffin-embedded Mouse Kidney stained with KSP-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH16/1532R)

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