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Bhubaneswar, Odisha - 751024, INDIA

## 36-1002: Monoclonal Antibody to Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16(Clone : SPM594)

Clonality: Monoclonal
Clone Name: SPM594
Application: WB,IHC

Reactivity: Human, Mouse, Rat

 Gene :
 CDH16

 Gene ID :
 1014

 Uniprot ID :
 075309

 Format :
 Purified

Alternative Name: CDH16,UNQ695/PRO1340

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant human 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 :** 100 μg

**Purification:** Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

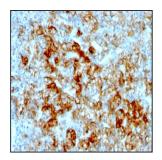
Storage condition:

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 (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes);



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