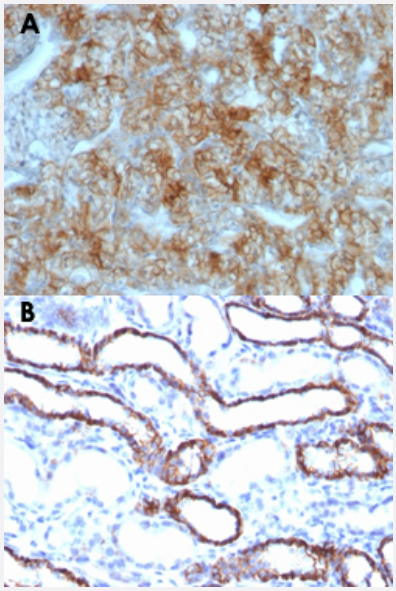
CDH16 monoclonal antibody, clone CDH16/1071

Catalog # MAB13240 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human renal cell carcinoma (A) and rat kidney (B) with CDH16 monoclonal antibody, clone CDH16/1071 (Cat # MAB13240).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CDH16.
Immunogen	Recombinant protein corresponding to full length human CDH16.
Host	Mouse
Theoretical MW (kDa)	130
Reactivity	Human, Rat
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

- Flow Cytometry

Gene Info — CDH16

Entrez GeneID	1014
Protein Accession#	O75309
Gene Name	CDH16
Gene Alias	-
Gene Description	cadherin 16, KSP-cadherin
Omim ID	603118
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membra ne-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chro mosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 an d CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a trans membrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusivel y in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. [provided by RefSeq

Other Designations	KSP-cadherin|cadherin 16|kidney-specific cadherin