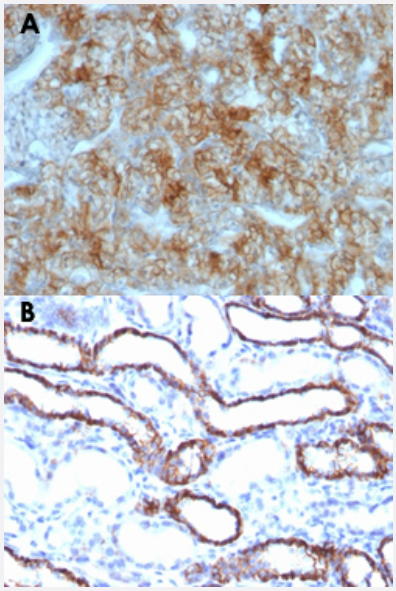
CDH16 monoclonal antibody, clone CDH16/1071

Catalog # MAB13239 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 # MAB13239).

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

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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 (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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

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Gene Summary	This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively 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

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