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Anti-KSP Cadherin Antibody

Catalog # AP95758

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	O75309
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	89923

Additional Information

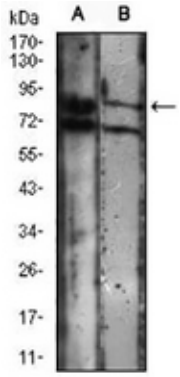
Gene ID	1014
Other Names	Cadherin-16; Kidney-specifIC, cadherin; Ksp-cadherin
Target/Specificity	Recombinant fusion protein of human KSP Cadherin expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

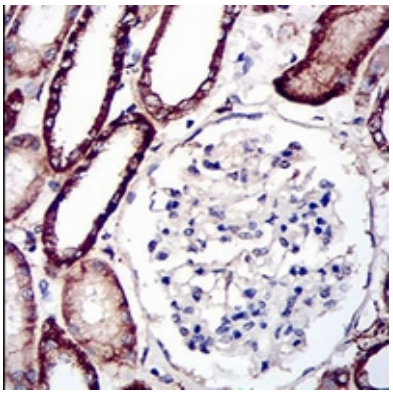
Protein Information

Name	CDH16
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Kidney specific.

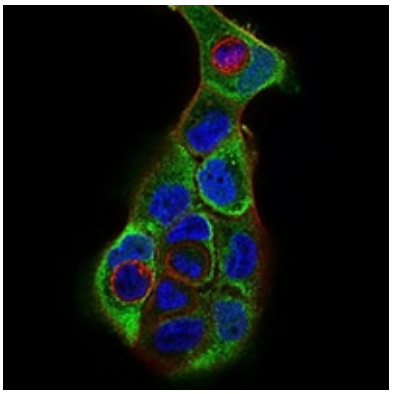
Images

Western blot analysis of KSP Cadherin expression in A431 (A), Jurkat (B) whole cell lysates. (Predicted band size: 90 kD; Observed band size: 90 kD)

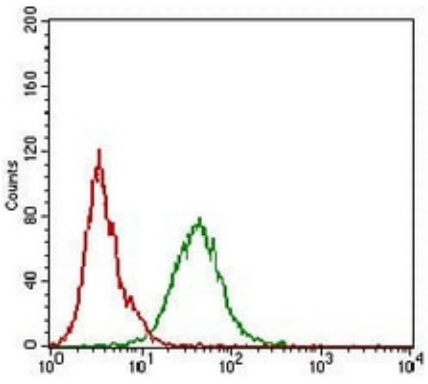




Immunohistochemical analysis of KSP Cadherin staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of KSP Cadherin staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of A431 cells using Anti-KSP Cadherin Antibody (green) and negative control (red).