

Product Datasheet

Cadherin-16 Antibody (CDH16/1071)

NBP2-45157-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45157-0.1mg

Cadherin-16 Antibody (CDH16/1071)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CDH16/1071
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	130 kDa

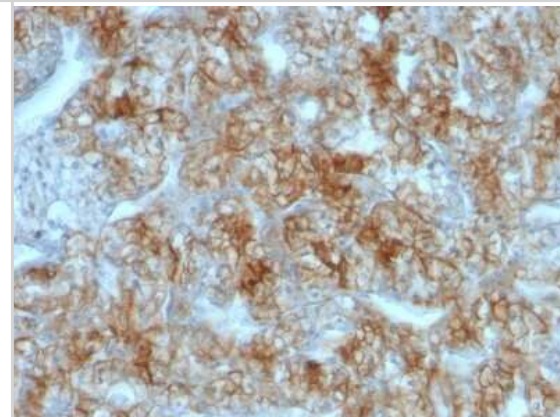
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47745) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	1014
Gene Symbol	CDH16
Species	Human, Mouse, Rat, Canine, Rabbit
Immunogen	Recombinant full-length human Cadherin-16 protein (Uniprot: O75309)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, ELISA 2-4 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. 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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

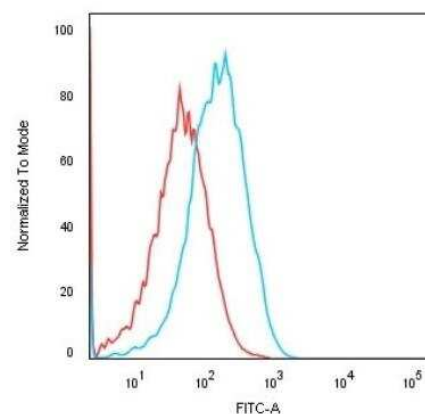


Images

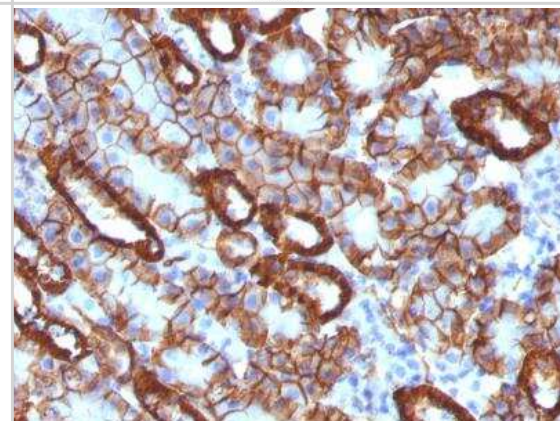
Immunohistochemistry-Paraffin: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Human Renal Cell Carcinoma stained with KSP-Cadherin Monoclonal Antibody (CDH16/1071)



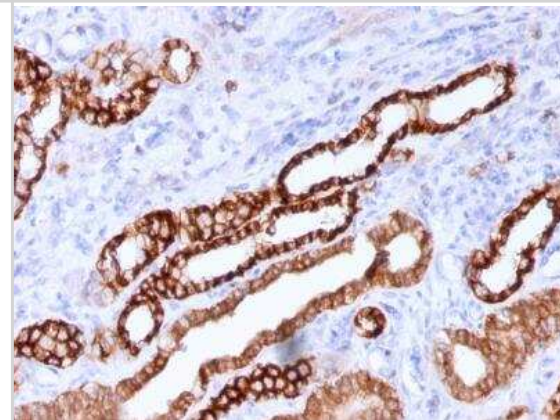
Flow Cytometry: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Analysis of human HEK293 cells using Cadherin-16 Antibody (CDH16/1071) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



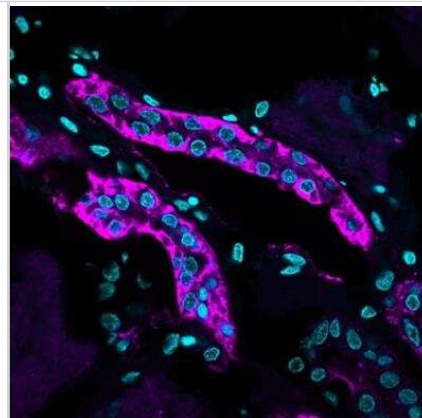
Immunohistochemistry-Paraffin: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Mouse Kidney stained with Cadherin-16 Antibody (CDH16/1071).



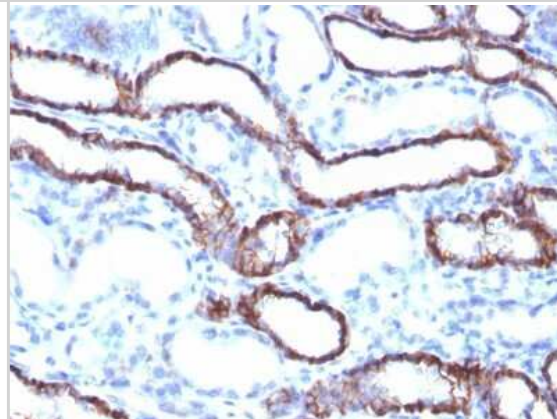
Immunohistochemistry-Paraffin: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Human Kidney stained with Cadherin-16 Antibody (CDH16/1071).



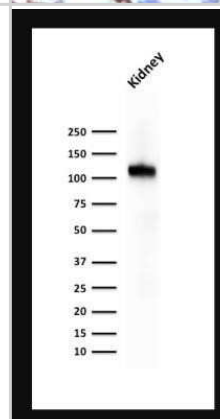
Immunohistochemistry-Paraffin: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Human Kidney stained with Cadherin-16 Antibody (CDH16/1071) followed by Goat anti-Mouse IgG-CF640R (Purple)



Immunohistochemistry-Paraffin: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Rat Kidney stained with KSP-Cadherin Monoclonal Antibody (CDH16/1071)



Western Blot: Cadherin-16 Antibody (CDH16/1071) [NBP2-45157] - Analysis of human kidney tissue lysate using Cadherin-16 Antibody (CDH16/1071).



Publications

Belghasem M, Yin W, Lotfollahzadeh S et al. Tryptophan Metabolites Target Transmembrane and Immunoglobulin Domain-Containing 1 Signaling to Augment Renal Tubular Injury The American journal of pathology 2023-10-01 [PMID: 37676196] (WB, Mouse)

Li ZH, An N, Huang XJ et al. Cyclosporine A blocks autophagic flux in tubular epithelial cells by impairing TFEB-mediated lysosomal function J Cell Mol Med 2021-05-05 [PMID: 33949118]

Details:

Citation using the Azide and BSA Free format of this antibody.

Li H, Tsokos MG, Bhargava R et al. Interleukin-23 reshapes kidney resident cell metabolism and promotes local kidney inflammation The Journal of clinical investigation 2021-05-06 [PMID: 33956666]

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Products Related to NBP2-45157-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00001014-P01-10ug	Recombinant Human Cadherin-16 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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