

Product Datasheet

E-Cadherin Antibody NBP2-16258

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-16258

E-Cadherin Antibody

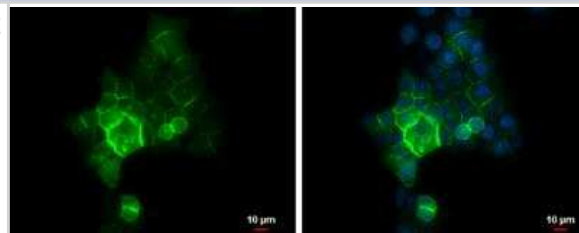
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	97 kDa

Product Description	
Host	Rabbit
Gene ID	999
Gene Symbol	CDH1
Species	Human, Mouse, Rat, Canine, Zebrafish
Reactivity Notes	Bovine (82%), Dog (80%), Pig (83%).
Marker	Epithelial Cell Marker, Adherens Junctions Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human E-Cadherin. The exact sequence is proprietary.

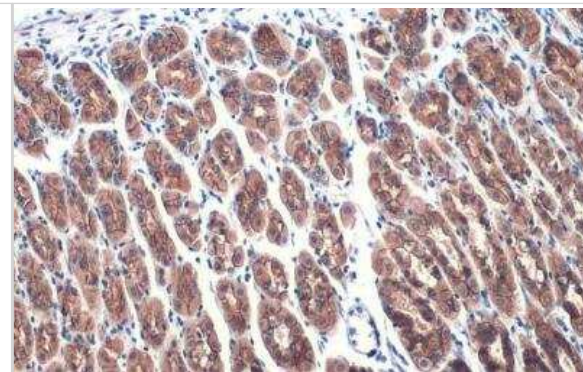
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount
Application Notes	IHC-WM assay dependent.

Images

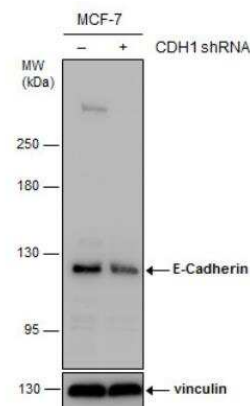
Immunocytochemistry/Immunofluorescence: E-Cadherin Antibody [NBP2-16258] - HCT 116 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin protein stained by E-Cadherin antibody diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μ m.



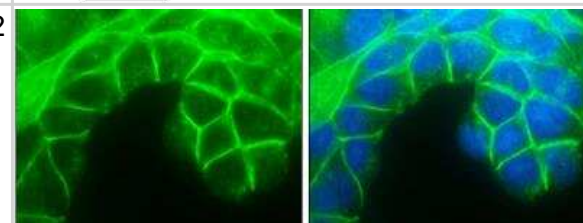
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Mouse stomach. E-Cadherin stained by E-Cadherin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



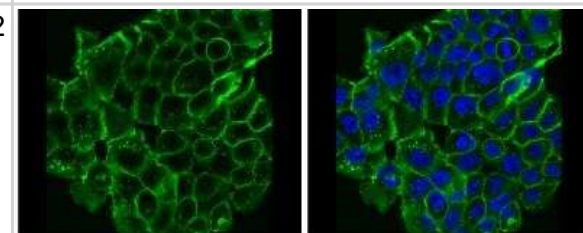
Western Blot: E-Cadherin Antibody [NBP2-16258] - Non-transfected (-) and transfected (+) MCF-7 whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with E-Cadherin antibody.



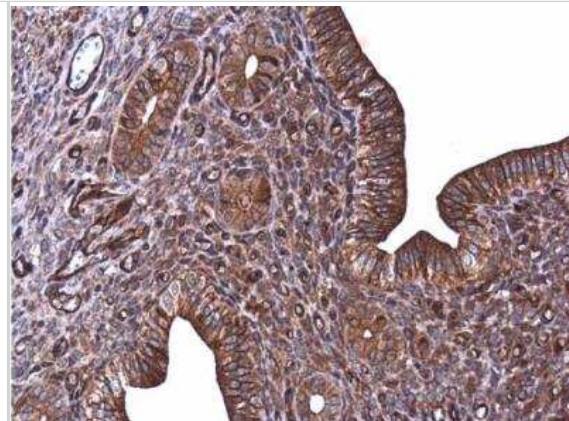
Immunocytochemistry/Immunofluorescence: E-Cadherin Antibody [NBP2-16258] - MCF7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin protein stained by E-Cadherin antibody diluted at 1:500. Blue: Hoechst 33342 staining.



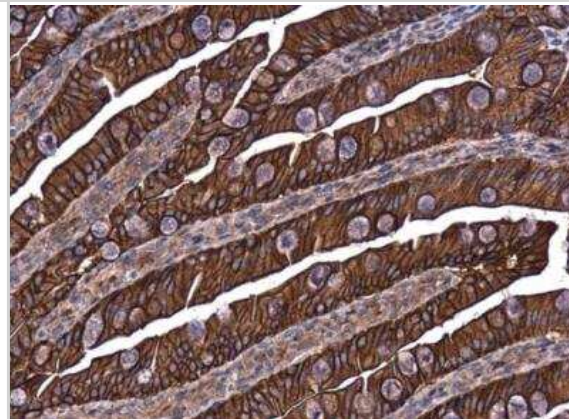
Immunocytochemistry/Immunofluorescence: E-Cadherin Antibody [NBP2-16258] - A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin protein stained by E-Cadherin antibody diluted at 1:500. Blue: Hoechst 33342 staining.



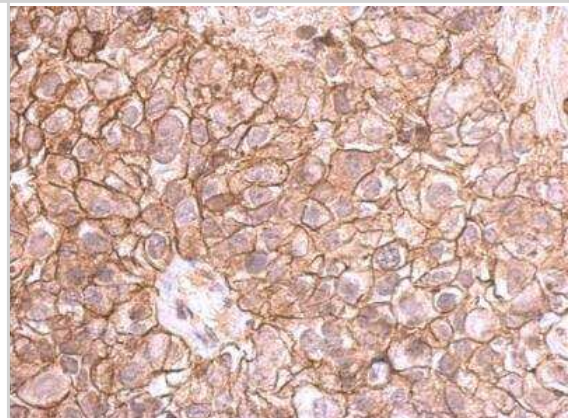
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Mouse cervix. E-Cadherin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



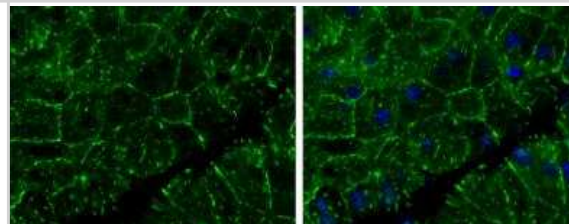
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Rat intestine. E-Cadherin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



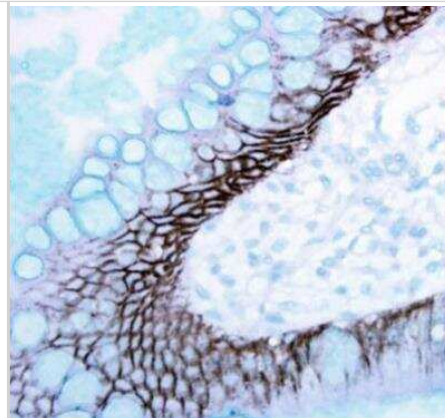
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Breast cancer. E-cadherin antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



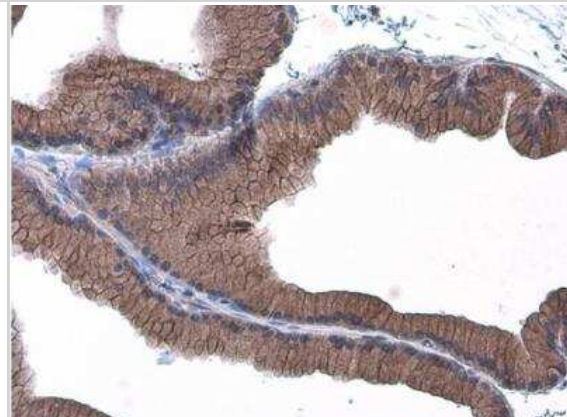
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Mouse pancreas. E-Cadherin antibody diluted at 1:400. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



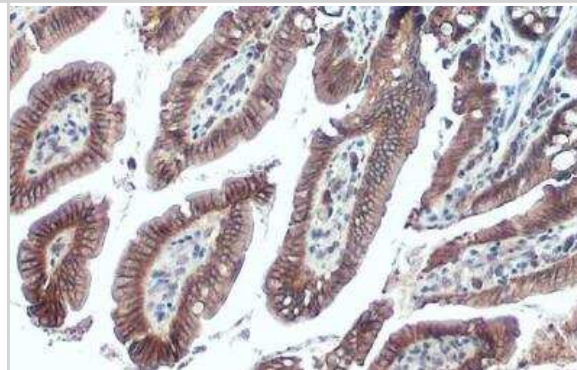
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Analysis of paraffin-embedded human ulcerative colitis tissue using E-Cadherin antibody.



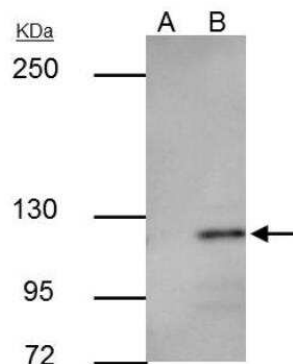
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Rat prostate. E-Cadherin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



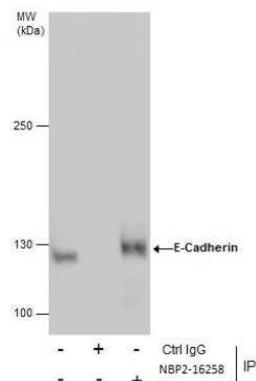
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - Mouse intestine. E-Cadherin stained by E-Cadherin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



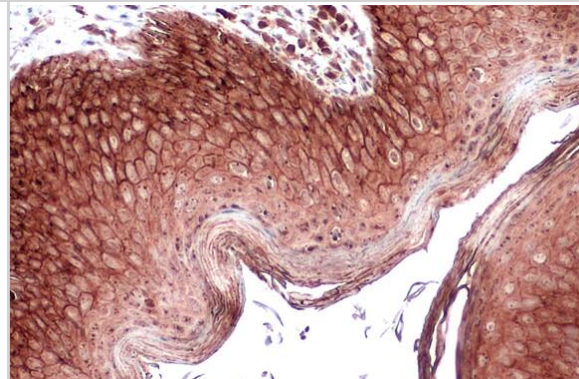
Immunoprecipitation: E-Cadherin Antibody [NBP2-16258] - MCF-7 whole cell extract A. Control with 3 ug of preimmune Rabbit IgG B. Immunoprecipitation of E-cadherin protein by 3 ug E-cadherin antibody 5 % SDS-PAGE The immunoprecipitated E-cadherin protein was detected by E-cadherin antibody diluted at 1:500. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



Immunoprecipitation: E-Cadherin Antibody [NBP2-16258] - Immunoprecipitation of E-Cadherin protein from MCF-7 whole cell extracts using 5 ug of E-Cadherin antibody. Western blot analysis was performed using E-Cadherin antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.

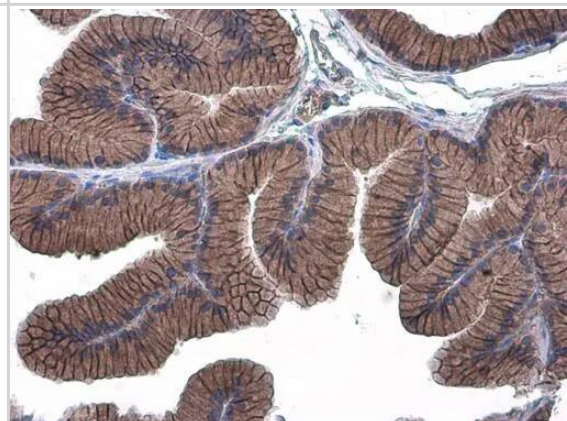


Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - E-Cadherin antibody detects E-Cadherin protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded dog skin. E-Cadherin stained by E-Cadherin antibody (NBP2-16258) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

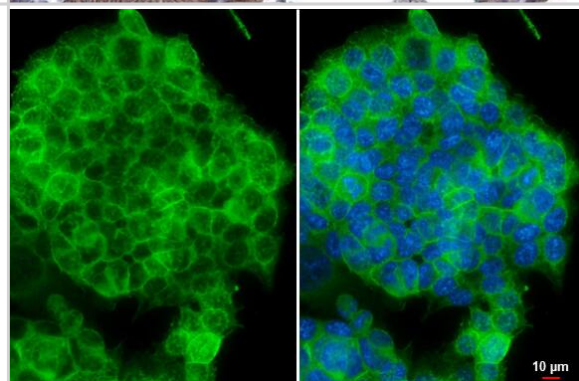


Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - E-Cadherin antibody detects E-Cadherin protein at cell membrane in rat prostate by immunohistochemical analysis. Sample: Paraffin-embedded rat prostate. E-Cadherin antibody (NBP2-16258) diluted at 1:500.

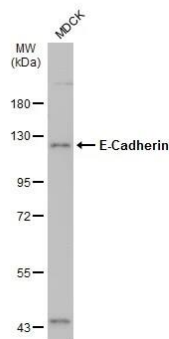
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



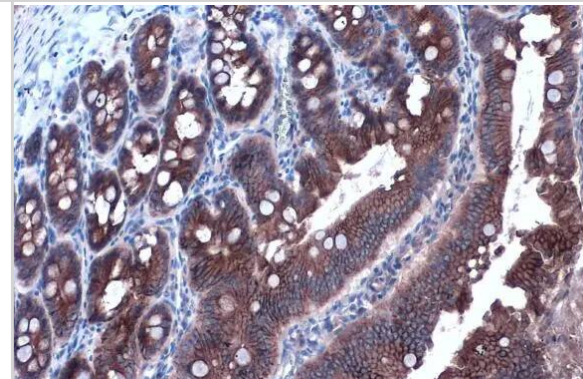
Immunocytochemistry/ Immunofluorescence: E-Cadherin Antibody [NBP2-16258] - E-Cadherin antibody detects E-Cadherin protein at cell membrane by immunofluorescent analysis. Sample: HCT116 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin stained by E-Cadherin antibody (NBP2-16258) diluted at 1:500. Blue: Fluoroshield with DAPI. Scale bar= 10 um.



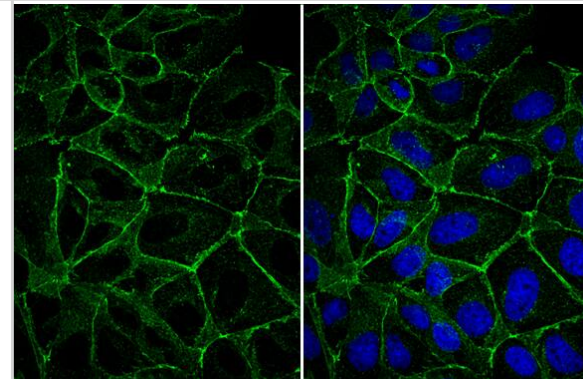
Western Blot: E-Cadherin Antibody [NBP2-16258] - Whole cell extracts (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with E-Cadherin antibody (NBP2-16258) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



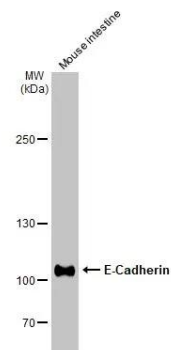
Immunohistochemistry-Paraffin: E-Cadherin Antibody [NBP2-16258] - E-Cadherin antibody detects E-Cadherin protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat duodenum. E-Cadherin stained by E-Cadherin antibody (NBP2-16258) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



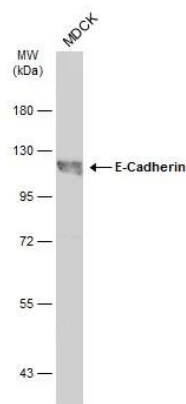
Immunocytochemistry/ Immunofluorescence: E-Cadherin Antibody [NBP2-16258] - E-Cadherin antibody detects E-Cadherin protein at cell membrane by immunofluorescent analysis. Sample: MDCK cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin stained by E-Cadherin antibody (NBP2-16258) diluted at 1:500.



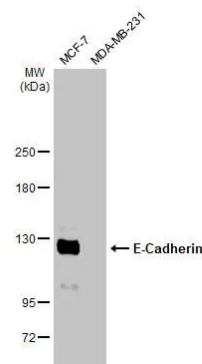
Western Blot: E-Cadherin Antibody [NBP2-16258] - Mouse tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with E-Cadherin antibody (NBP2-16258) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: E-Cadherin Antibody [NBP2-16258] - Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with E-Cadherin antibody (NBP2-16258) diluted at 1:7000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: E-Cadherin Antibody [NBP2-16258] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with E-Cadherin antibody (NBP2-16258) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

R Lehmann, MM Müller, TE Klassert, D Driesch, M Stock, A Heinrich, T Conrad, C Moore, UK Schier, R Guthke, H Slevogt Differential regulation of the transcriptomic and secretomic landscape of sensor and effector functions of human airway epithelial cells *Mucosal Immunol*, 2018-01-03;0(0):. 2018-01-03 [PMID: 29297499]

Taghavi S, Jackson-Weaver O, Abdullah S Et al. Interleukin-22 mitigates acute respiratory distress syndrome (ARDS) *PloS one* 2021-10-01 [PMID: 34597299] (IHC-Fr, Mouse)

Tsuda A, Donaghey TC, Konduru NV, et al. Age-Dependent Translocation of Gold Nanoparticles across the Air-Blood Barrier *ACS Nano* 2019-09-24 [PMID: 31397554] (WB, Rat)



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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-34475PEP	E-Cadherin Recombinant Protein Antigen

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