

Pan-Cadherin Rabbit mAb

Catalog No: #48907

Package Size: #48907-1 50ul #48907-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

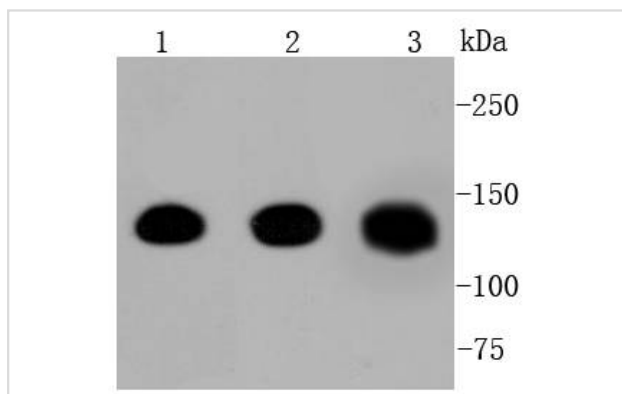
Description

Product Name	Pan-Cadherin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST54-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Cadherin antibody CDH3 antibody CDHP antibody 7B4 antigen antibody Cadherin-1 antibody Cadherin-2 antibody Cadherin-3 antibody Cadherin-4 antibody Cadherin-5 antibody CAM 120/80 antibody CD144 antibody CD324 antibody CD325 antibody Cdh4 antibody CDH5 antibody CDHE antibody CDHN antibody E-cadherin antibody Epithelial cadherin antibody N-cadherin antibody NCAD antibody Neural cadherin antibody P-cadherin antibody Placental cadherin antibody UVO antibody Uvomorulin antibody Vascular endothelial cadherin antibody
Accession No.	Swiss-Prot#:P12830
Uniprot	P12830
GeneID	999;
Calculated MW	140 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

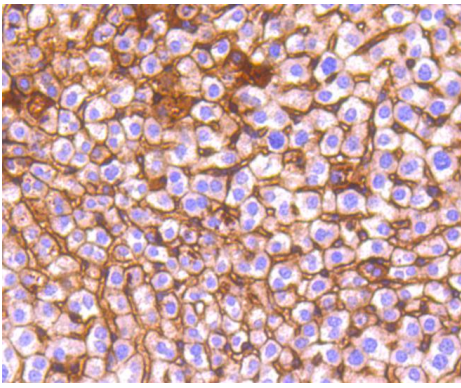
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

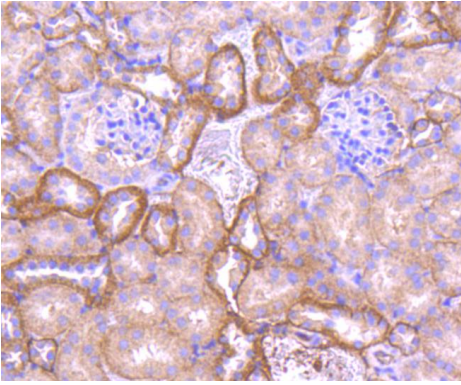
Images



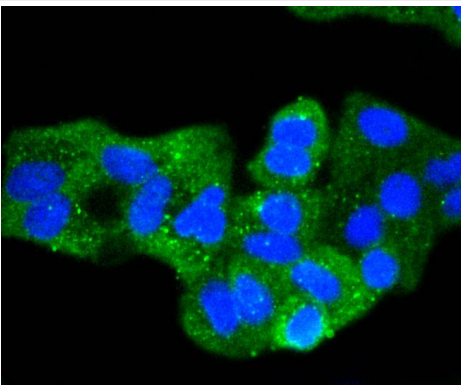
Western blot analysis of Pan-Cadherin on different lysates using anti-Pan-Cadherin antibody at 1/1,000 dilution. Positive control: Lane 1: Human heart Lane 2: Mouse heart Lane 3: Rat heart



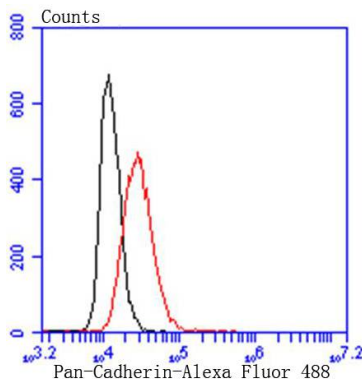
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Pan-Cadherin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Pan-Cadherin antibody. Counter stained with hematoxylin.



ICC staining Pan-Cadherin in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with Pan-Cadherin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cadherins comprise a family of Ca^{2+} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH₂ terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy terminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as -catenin, to regulate cadherin function. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin, R-cadherin, B-cadherin, E/P cadherin and cadherin-5.

References

Note: This product is for in vitro research use only