

Anti-CDH1 Antibody (5F903)

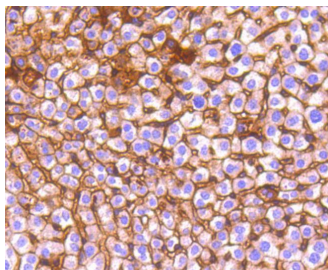
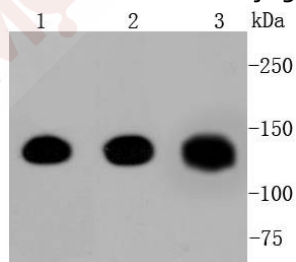
Product Details

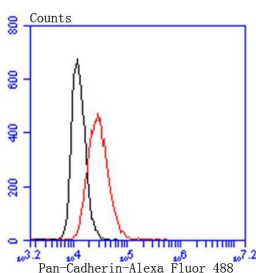
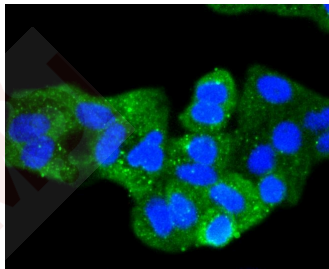
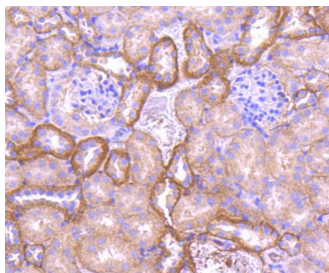
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 140 kDa.
Clone:	5F903
Purification:	ProA affinity purified

Applications

Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Pan-Cadherin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Pan-Cadherin antibody. Counter stained with hematoxylin.
4. 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.
5. 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.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P12830

Synonyms: LCAM; cadherin 1, type 1, E-cadherin (epithelial); Arc-1; E-Cadherin; E-cad; CDH1; UVO; ECAD; CDHE; CD324

Research Background

Cadherins comprise a family of Ca²⁺-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 β -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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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