

Anti-N Cadherin Antibody (2D207)

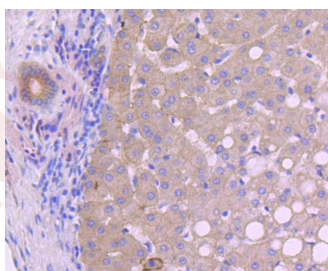
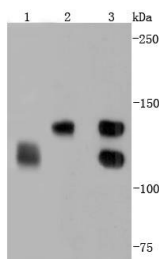
Product Details

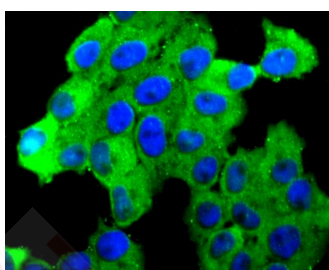
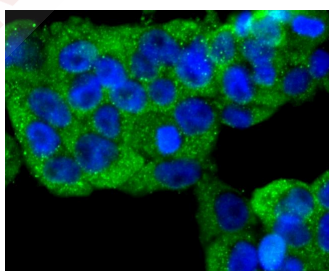
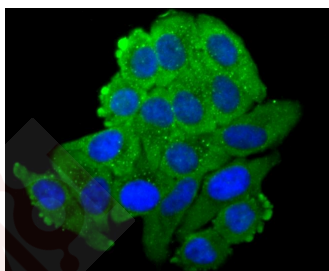
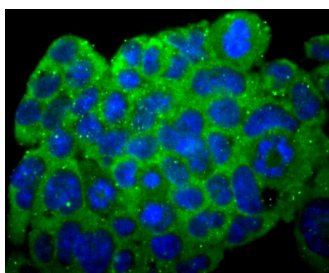
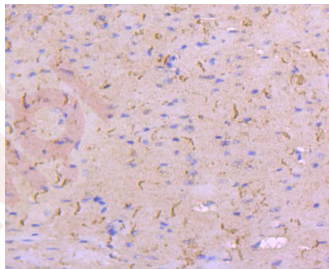
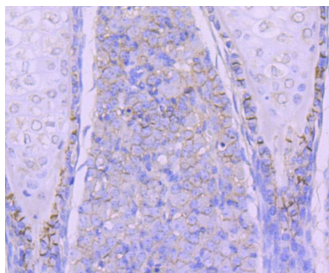
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 120/140 kDa.
Clone:	2D207
Purification:	ProA affinity purified

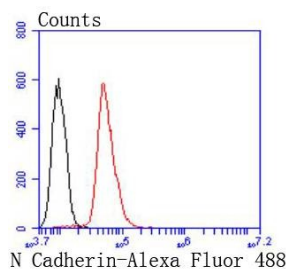
Applications

1. Western blot analysis of N Cadherin on different lysates using anti-N Cadherin antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: NIH/3T3, Lane 3: Mouse brain.
2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse embryo tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.
5. ICC staining N Cadherin in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining N Cadherin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining N Cadherin in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining N Cadherin in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. Flow cytometric analysis of Hela cells with N 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.

Verified Activity:







Application: FCM,ICC/IF,IHC,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: P19022

Synonyms: CD325;cadherin 2, type 1, N-cadherin (neuronal);NCAD;CDHN;CDw325

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 b-catenin, to regulate cadherin function. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin-6), R-cadherin, B-cadherin, E/P cadherin and cadherin-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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