

## Recombinant N-Cadherin/CD325/CDH2 Monoclonal Antibody

catalog number: **AN300288P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

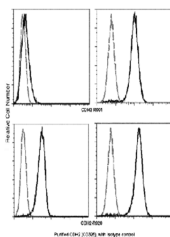
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human N-Cadherin / CD325 / CDH2 Protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	10D3
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 μm filtered solution in PBS

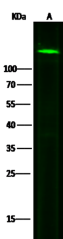
### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:2000
<b>FCM</b>	1:25-1:100
<b>ICC/IF</b>	1:20-1:100

### Data

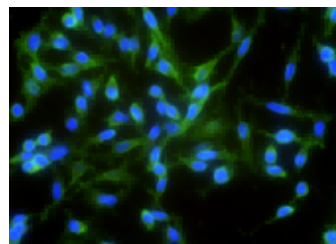


Flow cytometry analysis of N-Cadherin on HeLa cells. HeLa cells were harvested with (Left) or without (Right) trypsinization [please note, the epitope is sensitive to trypsin] and stained with either purified Rabbit IgG isotype control (dashed line) or Rabbit Anti-Human CD325 antibody at matching concentrations, then a FITC-conjugated second step antibody.

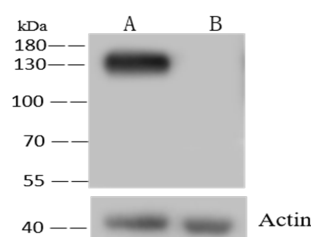


Western Blot with N-Cadherin / CD325 / CDH2 Monoclonal Antibody at dilution of 1:500. Lane A: HeLa Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

**Observed-MW:130 kDa**  
**Calculated-MW:99 kDa**



Immunofluorescence analysis of Human CDH2 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human CDH2 Monoclonal Antibody (1:60). Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to membrane.



Western Blot with N-Cadherin / CD325 / CDH2 Monoclonal Antibody at dilution of 1:500. Lane A: 293T Whole Cell Lysate, Lane B: N Cadherin knockout 293T Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

**Observed-MW:130 kDa**  
**Calculated-MW:99 kDa**

### Preparation & Storage

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping**

Ice bag

**Background**

Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.

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