SICGEN RESEARCH AND DEVELOPMENT IN BIOTECHNOLOGY

# N-Cadherin Polyclonal Antibody

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| **Catalogue No*:** | AB0071-200 | **Price/Unit*:** | 300.00 |
| **Source:** | 3 | **Quantity/unit size*:** | 600 g |

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| **Description:** | Goat polyclonal to CDH2. CDH2 is a classical member of the cadherin superfamily. This protein is a calcium dependent cell-cell adhesion glycoprotein comprised consists of 5 cadherin repeats in the extracellular domain, one transmembrane domain, and a and a highly conserved intracellular domain. It has been shown to play an essential role in normal neuronal development, which is implicated in an array of processes including neuronal differentiation, migration, axon growth and fasciculation.<br><br>**Alternative names:** cadherin 2, cadherin-2, CD325, CDHN, CDw325, CDH2, NCAD, N-cadherin, N-cadherin 1, neural cadherin, neural-cadherin, neural cadherin (NCAD) antibody. |
| **Immunogen:** | Purified recombinant peptide derived from within residues 850 aa to C-terminus of human CDH2 produced in *E. coli*. |
| **Specifity:** | Detects endogenous levels of total N-cadherin protein by Western blot in the whole cell lysates (COS-7 and MDCK). |
| **Reactivity:** | Reacts against human, rat, mouse, canine and monkey proteins. |
| **Usage:** | Western blot 1:500-1:2,000<br>Immunofluorescence 1:25-1:250<br>Immunohistochemistry (paraffin) ND<br>Immunohistochemistry (frozen) ND |

**Reactivity Chart**

| Sample | Western Blot | Immuno-fluorescence | Immuno-Histochemistry (p) | Immuno-Histochemistry (f) |
|---|---|---|---|---|
| human | +++ | +++ | ND | ND |
| rat | +++ | +++ | ND | ND |
| mouse | +++ | +++ | ND | ND |
| monkey | +++ | +++ | ND | ND |
| canine | +++ | +++ | ND | ND |

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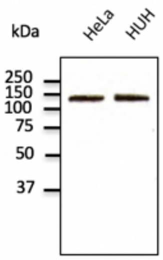
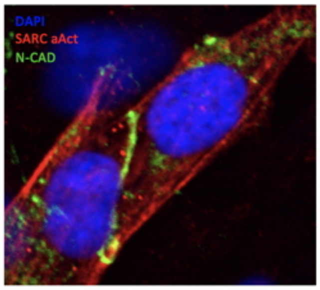
| **Storage:** | Store at -20 C for long-term storage. Store at 2-8 C for up to one month. |
| **Special instructions:** | Avoid freeze/thaw cycles. |
| **References:** | For research use only, not for diagnostic use |




Endogenous CDH2 detected with at 1/500 dilution; lysates at 100 µg per lane and rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution.




N-Cadherin antibody marking the intercalated disks (distal cell junctions in heart tissue – green line in the middle) of Human iPS-derived cardiomyocytes; Methanol fixation;
DAPI: DNA (nuclear) stain, SARC aAct: Sarcomeric α-Actinin, N-CAD: N-Cadherin
This image is courtesy of Dr Zanella F (University of California)