

## Product datasheet for AM00013BT-N

## OriGene Technologies, Inc.

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## N Cadherin (CDH2) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 7E9]

**Product data:** 

**Product Type:** Primary Antibodies

Clone Name: 7E9
Applications: WB

**Recommended Dilution: Immunoblotting:** 0.5 μg/ml for HRPO/ECL detection.

Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Included Positive Control: Cell lysate from untreated SH-SY5Y cells (See Ptotocols for more

details).

Reactivity: Human, Mouse

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

**Immunogen:** Peptide conjugated to hemocyanin.

Epitope: Cytoplasmic domain

**Specificity:** This antibody specifically recognizes N-Cadherin at 127 kDa.

**Formulation:** PBS / 0.09% Sodium Azide / PEG and Sucrose.

Label: Biotin

State: Liquid purified IgG fraction.

**Concentration:** lot specific

**Purification:** Subsequent Ultrafiltration and Size Exclusion Chromatography.

Conjugation: Biotin

**Storage:** Aliquote and freeze in liquid nitrogen.

Antibody can be stored frozen at -80°C up to 1 year.

Thaw aliquots at 37°C.

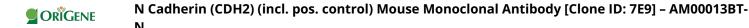
Thawed aliquots may be stored at 4°C up to 3 months.

**Gene Name:** cadherin 2

Database Link: Entrez Gene 12558 MouseEntrez Gene 1000 Human

P19022





**Background:** Cadherins are a family of transmembrane glycoproteins that play a key role in calcium-

dependent cell-cell adhesion. Several members of the cadherin family have been identified so

far, including E- (epithelial), P- (placental), N- (neuronal), and M- (muscle) cadherin.

Synonyms: CDH2, CDHN, NCAD, Neural cadherin, CDw325, Cadherin N, N-Cadherin

Note: Protocol: Positive Control: Cell lysate from untreated SH-SY5Y cells

**Format:** Lyophilized cell lysate from serum starved SH-SY5Y cells.

**Reconstitution:** Restore by addition of 200 μl H2O. After complete solubilization add 200 μl

2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.

**Application:** The positive control cell lysate is recommended for immunoblot applications. 20

μl of positive control cell lysate correspond to ca. 20.000 cells.

Use 20 µl/lane (mini gel) for HRPO/ECL detection of the target proteins.

Please NOTE: The lyophilized cell lysates conatin SDS and are not recommended for

applications with native proteins such as in immunoprecipitation.

Storage: Aliquote reconstituted product and store frozen. Avoid repeated fereezing and

thawing.

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)