

## Product datasheet for **AM00013BT-N**

### **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:	<b>Immunoblotting:</b> 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. <i>Included Positive Control:</i> Cell lysate from untreated SH-SY5Y cells (See Protocols 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:	<a href="#">Entrez Gene 12558 Mouse</a> <a href="#">Entrez Gene 1000 Human</a> <a href="#">P19022</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	CDH2, CDHN, NCAD, Neural cadherin, CDw325, Cadherin N, N-Cadherin
<b>Note:</b>	Protocol: <b>Positive Control: Cell lysate from untreated SH-SY5Y cells</b>  <b>Format:</b> Lyophilized cell lysate from serum starved SH-SY5Y cells.  <b>Reconstitution:</b> Restore by addition of 200 µl H <sub>2</sub> O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.  <b>Application:</b> 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 contain SDS and are not recommended for applications with native proteins such as in immunoprecipitation.  <b>Storage:</b> Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)