

AM00013BT-N**Monoclonal Antibody to Cadherin-2 (incl. pos. control) - Biotin**

Alternate names:	CDH2, CDHN, CDw325, Cadherin N, N-Cadherin, NCAD, Neural cadherin
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
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.
Uniprot ID:	P19022
NCBI:	NP_001783
GeneID:	1000
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10B (for use in human samples)
Clone:	7E9
Immunogen:	Peptide conjugated to hemocyanin. Epitope: Cytoplasmic domain
Format:	State: Liquid purified IgG fraction. Purification: Subsequent Ultrafiltration and Size Exclusion Chromatography. Buffer System: PBS / 0.09% Sodium Azide / PEG and Sucrose. Label: Biotin
Applications:	Immunoblotting: 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). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody specifically recognizes N-Cadherin at 127 kDa. Species: Human and Mouse. Other species not tested.
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.
Protocols:	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 μ l H₂O. After complete solubilization add 200 μ l 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 μ l of positive control cell lysate correspond to ca. 20.000 cells. Use 20 μ l/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.

Storage: Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.