

Product datasheet for **TA389062**

CDH1 Mouse Antibody [Clone ID: M168]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M168
Applications:	ICC, IHC, IP, WB
Recommended Dilution:	WB: 1:1000 ICC: 1:250
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M168) was generated from a mouse recombinant E-Cadherin protein containing amino acids in the cytoplasmic region. This sequence is highly conserved in human and rat E-cadherin.
Specificity:	This E-cadherin antibody detects a 120 kDa* protein in human A431 cells, and does not cross-react with VE-cadherin or N-cadherin.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	120
Database Link:	P12830



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Background:

Cadherins are transmembrane glycoproteins vital in calcium-dependent cell-cell adhesion during tissue differentiation. Cadherins cluster to form foci of homophilic binding units. A key determinant to the strength of the cadherin-mediated adhesion may be by the juxtamembrane region in cadherins. This region induces clustering and also binds to the protein p120 catenin. The cytoplasmic region is highly conserved in sequence and has been shown experimentally to regulate the cell-cell binding function of the extracellular domain of E-cadherin, possibly through interaction with the cytoskeleton. Many cadherins are regulated by phosphorylation, including N-cadherin and E-cadherin. N-cadherin is phosphorylated by c-Src at Tyr-820, Tyr-853, Tyr-860, Tyr-884, and Tyr-886. Phosphorylation of Tyr-860 can disrupt cadherin binding to β -catenin. Since many of these tyrosine sites are conserved in the cadherin family, phosphorylation of these sites may be critical for cadherin function.

Note:

Protein G purified tissue culture supernatant.