N-Cadherin Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 140	Source/Isotype: Rabbit	UniProt ID: #P19022	Entrez-Gene Id: 1000
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		N-Cadherin Antibody detects endogenous levels of total N-cadherin protein. The antibody does not cross-react with other cadherin family members.				
Species predicted to react based on 100% sequence homology		Dog				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues within the amino-terminus of human N-cadherin. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		approximately 100 rescell adhesion and play includes N-, P-, R-, B-, junctions, a cellular st domain of classical ca catenin. β-catenin and the actin cytoskeleton regulates cadherin ad suppressor of invasion cancer cells have upre expression is called the overexpression of MN cells, VE-cadherin signangiogenesis (5,6). Invasion and the cell suppression is called the overexpression of MN cells, VE-cadherin signangiogenesis (5,6). Invasion and the cell suppression is called the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is called the cell suppression in the cell suppression is cell suppression.	sidues in their extra critical roles in not and E-cadherins, as ructure near the ap dherins interacts w I y-catenin associat (1,2). While β- and he and growth of mand growth of mand gro	nbrane glycoproteins that cellular domain. Cadher mal tissue development well as about ten other sical surface of polarized ith β-catenin, γ-catenin (e with α-catenin, which lay-catenin play structura trafficking (1-4). Investigny epithelial cancers (1-1) in addition to loss of E-1 N-cadherin cooperates (asion (3). Research studing demonstrated that expalared in ovarian and	ins mediate calcium t (1). The classic cad members that are epithelial cells. The also called plakogle inks the cadherin-c I roles in the junctic jators consider E-ca 3). Research studies cadherin. This char s with the FGF recep ies have shown that e with vascular perr pression of P-cadhe	n-dependent cell- herin subfamily found in adherens e cytoplasmic obin), and p120 atenin complex to onal complex, p120 dherin an active s indicate that age in cadherin otor, leading to t in endothelial meability and tumor
Background References		1. Wheelock, M.J. and Johnson, K.R. (2003) <i>Annu Rev Cell Dev Biol</i> 19, 207-35. 2. Christofori, G. (2003) <i>EMBO J</i> 22, 2318-23. 3. Hazan, R.B. et al. (2004) <i>Ann N Y Acad Sci</i> 1014, 155-63. 4. Bryant, D.M. and Stow, J.L. (2004) <i>Trends Cell Biol</i> 14, 427-34. 5. Rabascio, C. et al. (2004) <i>Cancer Res</i> 64, 4373-7. 6. Yamaoka-Tojo, M. et al. (2006) <i>Arterioscler Thromb Vasc Biol</i> 26, 1991-7. 7. Patel, I.S. et al. (2003) <i>Int J Cancer</i> 106, 172-7. 8. Sanders, D.S. et al. (2000) <i>J Pathol</i> 190, 526-30.				
Species Reactivi	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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