

bs-1172R**[Primary Antibody]****CDH2 | N-cadherin/CD325 Rabbit pAb****Bioss**
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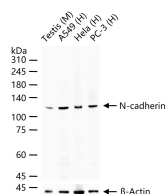
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 1000 Target: CDH2 N-cadherin/CD325 Immunogen: KLH conjugated synthetic peptide derived from human N-cadherin: 701-800/905. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product.	Isotype: IgG SWISS: P19022	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Horse) Predicted MW.: 100 kDa Observed MW.: 120 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with N-cadherin polyclonal antibody, unconjugated (bs-1172R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=10.7]** Jing Zheng. et al. Lycopene Alleviates Deoxynivalenol-Induced Porcine Intestinal Epithelial Barrier Injury by Inhibiting PGAM5-Mediated Mitophagy-Dependent Ferroptosis. Research. 2026 Apr;9 WB ;Pig. 42027993
- **[IF=9.933]** Xingyi Xu. et al. A Honeycomb-Like Bismuth/Manganese Oxide Nanoparticle with Mutual Reinforcement of Internal and External Response for Triple-Negative Breast Cancer Targeted Therapy. 2021 Jul 23 WB ;Human. 34297897
- **[IF=9.584]** Zheng, Bingxin. et al. Siglec-15-induced autophagy promotes invasion and metastasis of human osteosarcoma cells by activating the epithelial-mesenchymal transition and Beclin-1/ATG14 pathway. CELL BIOSCI. 2022 Dec;12(1):1-15 WB ;Human. 35842729
- **[IF=8.456]** Zhang D et al. Cell Membrane-Coated Porphyrin Metal-Organic Frameworks for Cancer Cell Targeting and O2-Evolving Photodynamic Therapy. ACS Appl Mater Interfaces. 2019 Oct 30;11(43):39594-39602. WB ;Human. 31577410

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=7.727]** Xue Wang, et al. Engineered liposomes targeting the gut–CNS Axis for comprehensive therapy of spinal cord injury. J Control Release. 2021 Mar;331:390 IF ;Rat. 33485884