

bs-1172R**[Primary Antibody]****Bioss**
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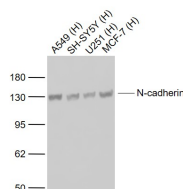
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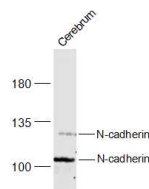
400-901-9800

N-cadherin Rabbit pAb**DATASHEET**

Host: Rabbit Clonality: Polyclonal GeneID: 1000 Target: N-cadherin 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, Rat (predicted: Rabbit, Pig, Sheep, Cow, Horse) Predicted MW.: 100 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Sample: Lane 1: A549 (Human) Cell Lysate at 30 ug
Lane 2: SH-SY5Y (Human) Cell Lysate at 30 ug
Lane 3: U251 (Human) Cell Lysate at 30 ug
Lane 4: MCF-7 (Human) Cell Lysate at 30 ug
Primary: Anti-N-cadherin (bs-1172R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 130 kD
Observed band size: 130 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-N-cadherin (bs-1172R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 100 kD
Observed band size: 105/125 kD

SELECTED CITATIONS

- **[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=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=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
- **[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.

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

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- **[IF=6.691]** Zhao, Boyuan. et al. Suspension state and shear stress enhance breast tumor cells EMT through YAP by microRNA-29b. 2021 Oct 07 WB ;Human. 34618275