

bs-1519R**[Primary Antibody]****BioSS**
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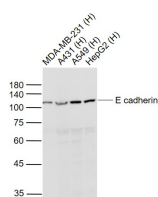
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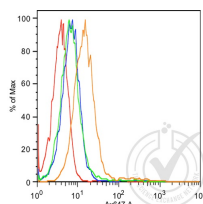
400-901-9800

E cadherin Rabbit pAb**DATASHEET**

Host: Rabbit Clonality: Polyclonal GeneID: 999 Target: E cadherin Immunogen: KLH conjugated synthetic peptide derived from human E-cadherin: 841-882/882. 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 encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16. [provided by RefSeq, Nov 2015]	Isotype: IgG SWISS: P12830	Applications: WB (1:500-2000) Flow-Cyt (1µg/Test) Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 90/97 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Sample: Lane 1: MDA-MB-231 (Human) Cell Lysate at 30 ug Lane 2: A431 (Human) Cell Lysate at 30 ug Lane 3: A549 (Human) Cell Lysate at 30 ug Lane 4: HepG2 (Human) Cell Lysate at 30 ug
 Primary: Anti- E cadherin (bs-1519R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 125 kD Observed band size: 120 kD



Histogram of MCF7 cells stained with anti-E-cadherin (orange), isotype control antibody (green), secondary antibody only (blue) and unstained (red).

SELECTED CITATIONS

- **[IF=17.521]** Zhongjie Tang. et al. Overcoming the On-Target Toxicity in Antibody-Mediated Therapies via an Indirect Active Targeting Strategy. Advanced Science. 2023 Jan;;2206912 WB ;Mouse. 36683161
- **[IF=11.161]** Zhipeng Jiang. et al. EIF4A3-induced circ_0084615 contributes to the progression of colorectal cancer via miR-599/ONECUT2 pathway. J Exp Clin Canc Res. 2021 Dec;40(1):1-15 WB,IHC ;Human. 34253241
- **[IF=9.584]** Zheng, Bingxin. et al. Siglec-15-induced autophagy promotes invasion and metastasis of human

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- 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]** Fu Rongrong. et al. SOAT1 regulates cholesterol metabolism to induce EMT in hepatocellular carcinoma. CELL DEATH DIS. 2024 May;15(5):1-14 WB ;Mouse,Human. 38724499
 - **[IF=6.543]** Yang Lili. et al. Elucidating the Novel Mechanism of Ligustrazine in Preventing Postoperative Peritoneal Adhesion Formation. Oxid Med Cell Longev. 2022;2022:9226022 WB,IF ;Rat,Human. 35308169