

bs-10009R**[Primary Antibody]****CDH1 | E-cadherin/CD324 Rabbit pAb****BioSS**
ANTIBODIES

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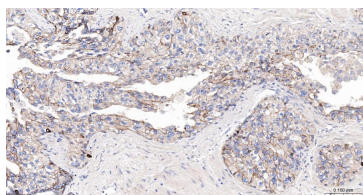
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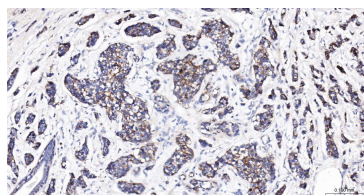
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:200-800)
Clonality: Polyclonal		IHC-F (1:200-800)
GeneID: 999	SWISS: P12830	IF (1:200-800)
Target: CDH1 E-cadherin/CD324		Reactivity: Human, Mouse (predicted: Rat)
Immunogen: KLH conjugated synthetic peptide derived from human E-cadherin: 401-500/882. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 90/97 kDa
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.		Observed MW.: 125 kDa
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]		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Prostate Tumor; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with E cadherin Polyclonal Antibody, Unconjugated (bs-10009R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with E cadherin Polyclonal Antibody, Unconjugated (bs-10009R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=15.7]** Zhang Zhongyu. et al. Galectin-3-integrin $\alpha 5 \beta 1$ phase separation disrupted by advanced glycation end-products impairs diabetic wound healing in rodents. NAT COMMUN. 2025 Aug;16(1):1-23 IF ;Rat. 40775187
- **[IF=15.1]** Jingxin Li. et al. A Mammalian Conserved Circular RNA CircLARP1B Regulates Hepatocellular Carcinoma Metastasis and Lipid Metabolism. Advanced Science. 2023 Nov;;2305902 IHC ;Mouse. 37953462
- **[IF=10.679]** Pan J et al. lncRNA JPX/miR-33a-5p/Twist1 axis regulates tumorigenesis and metastasis of lung cancer by

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- activating Wnt/ β -catenin signaling. Mol Cancer. 2020 Jan 15;19(1):9. WB ;Human. 31941509
- **[IF=10.435]** Shi, Yesi. et al. Biomimetic nanoparticles blocking autophagy for enhanced chemotherapy and metastasis inhibition via reversing focal adhesion disassembly. J Nanobiotechnol. 2021 Dec;19(1):1-17 WB ;Human. 34952594
 - **[IF=9.7]** Ruiping Huang. et al. Engineered choline–Salcaprozate ionic liquids for enhanced non-invasive delivery of macromolecular antidiabetics. J COLLOID INTERF SCI. 2026 Feb;704:139463 IF ;Human. 41240566