

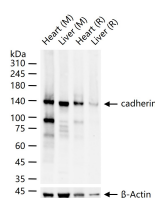
bsm-63043R**[Primary Antibody]****BioSS**
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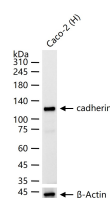
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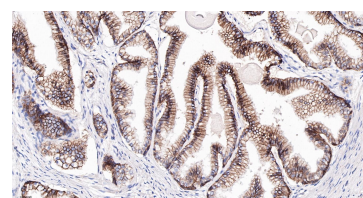
400-901-9800

Cadherin Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 999**Target:** Cadherin**Immunogen:** A synthesized peptide derived from human Cadherin: 850-906.**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**CloneNo.:** 2B19**SWISS:** P12830**Applications:** **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-200)
ELISA (1:5000-10000)
IP (1:50-100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 97 kDa**Observed MW.:** 130-150 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

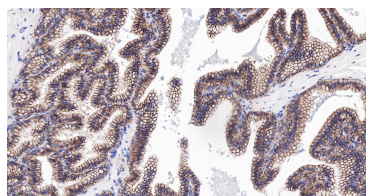
25 ug total protein per lane of various lysates (see on figure) probed with cadherin monoclonal antibody, unconjugated (bsm-63043R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



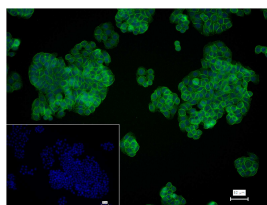
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Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cadherin Monoclonal Antibody, Unconjugated (bsm-63043R) at 1:300 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cadherin



4% Paraformaldehyde-fixed HT-29 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Cadherin) monoclonal Antibody, unconjugated (bsm-63043R) 1:100, 90

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

Monoclonal Antibody, Unconjugated (bsm-63043R) at 1:300 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.