

**bsm-54148R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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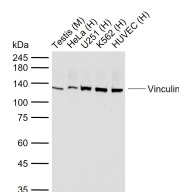
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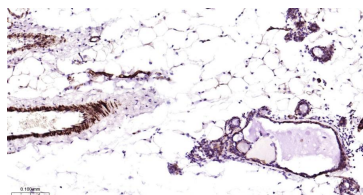
400-901-9800

**Vinculin Recombinant Rabbit mAb, Loading Control****— DATASHEET —**

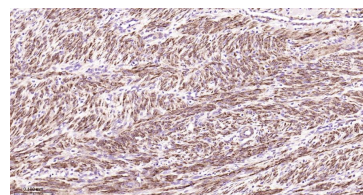
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 124 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 5G7	
<b>GeneID:</b> 7414	<b>SWISS:</b> P18206	
<b>Target:</b> Vinculin		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Testis tissue lysates  
 Lane 2: Human HeLa cell lysates  
 Lane 3: Human U251 cell lysates  
 Lane 4: Human K562 cell lysates  
 Lane 5: Human HUVEC cell lysates  
 Primary: Anti-Vinculin (Loading Control) (bsm-54148R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 124 kDa  
 Observed band size: 135 kDa



Paraformaldehyde-fixed, paraffin embedded Mouse Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Vinculin Monoclonal Antibody, Unconjugated (bsm-54148R) 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 Endometrium; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Vinculin Monoclonal Antibody, Unconjugated (bsm-54148R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=5.8]** Li Ming. et al. Erianin inhibits the progression of triple-negative breast cancer by suppressing SRC-mediated cholesterol metabolism. *CANCER CELL INT.* 2024 Dec;24(1):1-18 **WB ;Human,Mouse.** 38734640
- **[IF=6.1]** Ma Zelong. et al. CXCL12 alone is enough to Reprogram Normal Fibroblasts into Cancer-Associated Fibroblasts. *CELL DEATH DISCOV.* 2025 Apr;11(1):1-12 **WB ;Human.** 40199862
- **[IF=3.8]** Ma Ping. et al. A novel lncRNA AC112721.1 promotes the progression of triple-negative breast cancer by directly binding to THBS1 and regulating miR-491-5p/C2CD2L axis. *SCI REP-UK.* 2024 Dec;14(1):1-14 **WB ;Human.** 39738500

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