

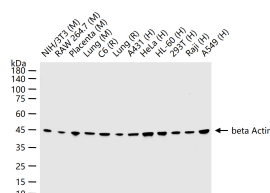
bsm-63325R**[Primary Antibody]****ACTB | beta-Actin Recombinant Rabbit mAb,
Loading Control****BioSS**
ANTIBODIES

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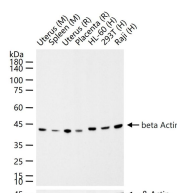
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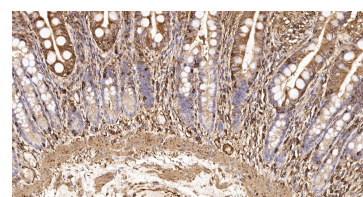
400-901-9800

DATASHEET**Host:** Rabbit**Clonality:** Recombinant**GeneID:** 60**Target:** ACTB | beta-Actin**Immunogen:** A synthesized peptide derived from human beta Actin: 40-85/375.**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:** Actin is a highly conserved protein and an essential component of cell cytoskeleton and plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. Preferentially expressed in young and expanding tissues, floral organ primordia, developing seeds and emerging inflorescence. Antibodies against plant Actin are useful as loading controls for Western Blotting.**Isotype:** IgG**CloneNo.:** 2B3**SWISS:** P60709**Applications:** WB (1:50000-500000)**IHC-P** (1:200-1000)**IHC-F** (1:200-1000)**IF** (1:200-1000)**Flow-Cyt** (1:100-200)**Reactivity:** Human, Mouse, Rat
(predicted: Cow, Zebrafish, Chicken)**Predicted
MW.:** 42 kDa**Observed
MW.:** 42 kDa**Subcellular
Location:** Cytoplasm**VALIDATION IMAGES**

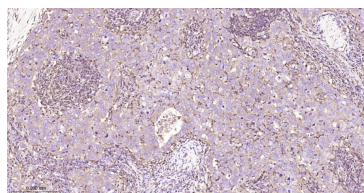
25 ug total protein per lane of various lysates (see on figure) probed with beta Actin monoclonal antibody, unconjugated (bsm-63325R) at 1:500000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



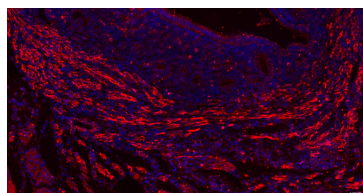
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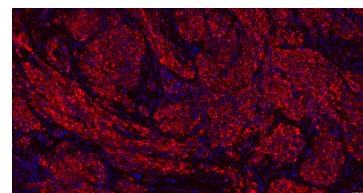
Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with beta Actin Monoclonal Antibody, Unconjugated (bsm-63325R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



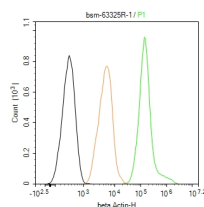
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with beta Actin Monoclonal Antibody, Unconjugated (bsm-63325R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with beta Actin Antibody, Unconjugated (bsm-63325R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with beta Actin Antibody, Unconjugated (bsm-63325R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



The A431 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-beta Actin antibody (bsm-63325R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=19]** Xin Wang Mo. et al. Bimetallic Nanoreactor Activates cGAS-STING Pathway via mtDNA Release for Cancer Metalloimmunotherapy. *ADV FUNCT MATER.* 2025 Nov;;e18279 **WB ;Mouse.** 10.1002/adfm.202518279
- **[IF=8.3]** Qiao Xu. et al. Biological activity study of a pine pollen extract rich in dihydroquercetin for the treatment of psoriasis. *PHYTOMEDICINE.* 2025 Nov;;157597 **WB ;Mouse.** 10.1016/j.phymed.2025.157597
- **[IF=6.6]** Wenhui Guo. et al. The RAGE–Ferroptosis Axis Drives Oxidative Stress-Associated Inflammatory Lung Injury in Viral Infection. *ANTIOXIDANTS-BASEL.* 2026 Mar;15(4):434 **WB ;Human.** 10.3390/antiox15040434
- **[IF=5]** Ganen Wang. et al. Bifidobacterium animalis Subsp. lactis PB200 Improves Intestinal Barrier Function and Flora Disturbance in Mice with Antibiotic-Induced Intestinal Injury. *NUTRIENTS.* 2025 Jan;17(10):1610 **WB ;Mouse.** 40431355
- **[IF=1]** Jianfeng Wang. et al. Lithospermic Acid Promotes Osteoblast Proliferation and Differentiation through the Wnt/ β -Catenin Signaling Pathway. *BIOCELL.* 2026 Feb;50(2): **WB ;Mouse.** 10.32604/biocell.2025.072227