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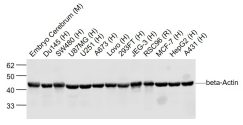
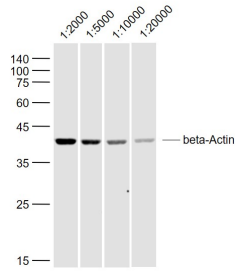
beta-Actin Rabbit pAb, Loading Control

Catalog Number:	bs-0061R
Target Protein:	beta-Actin
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:5000-50000), IHC-P (1:200-1000), IHC-F (1:200-1000), IF (1:200-1000), Flow-Cyt (1µg/Test), ICC/IF (1:100-500)
Reactivity:	Human, Mouse, Rat, Hamster (predicted:Rabbit, Pig, Sheep, Chicken, Dog, Cat, GuineaPig, Fish, Bee)
Predicted MW:	42 kDa
Entrez Gene:	60
Swiss Prot:	P60709
Source:	Synthetic MAP peptide derived from human beta-Actin: 1-200/375.
Purification:	affinity purified by Protein A
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.

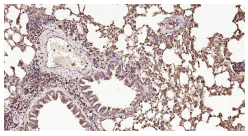
VALIDATION IMAGES



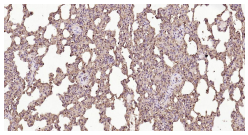
Sample:Embryo Cerebrum (Mouse) Lysate at 40 ugDu145 (Human) Lysate at 40 ugSW480 (Human) Cell Lysate at 40 ugU87MG (Human) Lysate at 40 ugU251 (Human) Lysate at 40 ugA673 (Human) Lysate at 40 ugLovo (Human) Lysate at 40 ug293FT (Human) Lysate at 40 ugJEG-3 (Human) Lysate at 40 ugRSC96 (Rat) Cell Lysate at 40 ugMCF-7 (Human) Cell Lysate at 40 ugHepG2 (Human) Lysate at 40 ugA431 (Human) Lysate at 40 ugPrimary: Anti-beta-Actin (bs-0061R) at 1/2000 dilutionSecondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilutionPredicted band size: 42 kDObserved band size: 42 kD



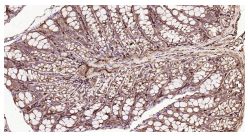
Sample: SH-SY5Y (Human) Lysate at 40 ug Primary: Anti-beta-Actin (bs-0061R) at 1/2000~1/20000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD



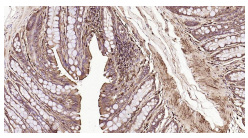
Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta-Actin Polyclonal Antibody, Unconjugated (bs-0061R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta-Actin Polyclonal Antibody, Unconjugated (bs-0061R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta-Actin Polyclonal Antibody, Unconjugated (bs-0061R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta-Actin Polyclonal Antibody, Unconjugated (bs-0061R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=20.042] Xiang-Qian Gao. et al. The piRNA CHAPIR regulates cardiac hypertrophy by controlling METTL3-dependent N 6 -methyladenosine methylation of Parp10 mRNA. Nat Cell Biol. 2020 Oct;22(11):1319-1331 WB ; Mouse . 33020597

[IF=19] Xuan Thien Le. et al. Peroxidase-Mimicking Iron-Based Single-Atom Upconversion Photocatalyst for Enhancing Chemodynamic Therapy. ADV FUNCT MATER. 2024 May;:2401893 WB ; Mouse . 10.1002/adfm.202401893

[IF=19.227] Xin Zhou. et al. ACSL4 promotes microglia-mediated neuroinflammation by regulating lipid metabolism and VGLL4 expression. BRAIN BEHAV IMMUN. 2023 Mar;109:331 WB ; Mouse . 36791893

[IF=18.027] Nguyen Thi Nguyen. et al. Amplified Fenton-Based Oxidative Stress Utilizing Ultraviolet Upconversion Luminescence-Fueled Nanoreactors for Apoptosis-Strengthened Ferroptosis Anticancer Therapy. ACS NANO. 2022;XXXX(XXX):XXX-XXX WB ; Mouse . 36579941

[IF=16.744] Rui Liu. et al. Engineered stem cell biomimetic liposomes carrying levamisole for macrophage immunity reconstruction in leukemia therapy. CHEM ENG J. 2022 Nov;447:137582 WB ; Rat . 10.1016/j.cej.2022.137582