bs-0061R

[Primary Antibody]

beta-Actin Rabbit pAb, Loading Control



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– DATASHEF	тт		400-901-9800
Host:	Rabbit	Isotype: IgG	Applications: WB (1::
Clonality:	Polyclonal		IHC-P(IHC-F(
GeneID:	60	SWISS: P60709	IF (1:20
Target:	beta-Actin		Flow-C
Immunogen:	Synthetic MAP per	otide derived from human beta-Actin: 1-200/375.	
Purification: affinity purified by Protein A Concentration: 1mg/ml			Reactivity: Human Hamste Pig, Sh
Storage:	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.		Cat, Gu Predicted MW.: ⁴² kDa
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.			Subcellular Location: ^{Cytopla}
	NIMAGES		

5000-50000) (1:200-1000)(1:200-1000)00-1000) **Cyt** (1µg/Test) (1:100-500)

, Mouse, Rat, er (predicted: Rabbit, eep, Chicken, Dog, iineaPig, Fish, Bee)

asm

VALIDATION IMAGES



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



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



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; 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 Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta-Actin Polyclonal Antibody, Unconjugated (bs-0061R)



Tissue/cell: Hela cell; 4% Paraformaldehydefixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (beta-Actin) polyclonal Antibody,



MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 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. Unconjugated (bs-0061R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG-FITC antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei. 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: NIH/3T3. Primary Antibody (green line): Rabbit Anti-beta-Actin (Loading Control) antibody (bs-0061R) Dilution: $1\mu g / 10^{6}$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block nonspecific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

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