For Research Use Only

CoraLite®594-conjugated Beta Actin Monoclonal antibody

Catalog Number:CL594-66009

Featured Product



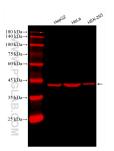


Basic Information	Catalog Number: CL594-66009	GenBank Accession Number NM_001101	er: Purification Method: Protein A purification	
	Size: 100ul , Concentration: 1000 ug/ml by	GeneID (NCBI): 60	CloneNo.: 2D4H5	
	Nanodrop; Source: Mouse Isotype: IgG2b	UNIPROT ID: P60709 Full Name: actin, beta Calculated MW: 42 kDa	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:50-1:500 Excitation/Emission maxima wavelengths: 588 nm / 604 nm	
Applications	Tested Applications:	Positive Controls:		
	Cited Applications:		: HepG2 cells, HeLa cells, HEK-293 cells CC : MDCK cells, HepG2 cells	
	Species Specificity: human, mouse, rat, canine, monkey, zebrafish, hamster			
	Cited Species: human, mouse, rat, chicken			
Background Information	expressed in all eukaryotic cells. At l (ACTC 1, cardiac muscle 1), alpha 1 (A gamma 1 (ACTG 1) and 2 (ACTG 2, ent Most actins consist of 376aa, while Au only 374aa. Beta actin has been wide protein. However, the 41 kDa cleaved	east six isoforms of actins an CTA1, skeletal muscle) and eric smooth muscle). Beta ar CTG2 (rich in muscles) has 3 Ny used as the internal contr I fragment of beta actin can	n various types of cell motility and are ubiquitous re known in mammals and other vertebrates: alph 2 (ACTA2, aortic smooth muscle), beta (ACTB), nd gamma 1 are two non-muscle actin proteins. 75aa and ACTG1(found in non-muscle cells) has ol in RT-PCR and Western Blotting as a 42-kDa be generated during apoptosis process.This y is IgG2b. And the anitbody is CL594(Ex/Em 593	
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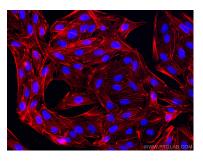
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

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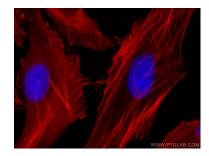
Selected Validation Data



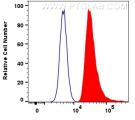
Various lysates were subjected to SDS PAGE followed by western blot with CL594-66009 (Beta Actin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MDCK cells using CoraLite® 594 Beta Actin antibody (CL594-66009, Clone: 2D4H5) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5) at dilution of 1:200.



CL594-66009 Beta Actin(2D4H5)

1x10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite®594-conjugated Beta Actin Monoclonal antibody (CL594-66009, Clone:2D4H5) (red), or 0.8 ug CoraLite®594 Mouse IgG2b Isotype Control (MPC-11) (CL594-65128, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).