

β-actin (PTR2364) mouse mAb

Catalog No :	YM3028
Reactivity :	Human;Mouse;Rat;
Applications :	WB;IF;ELISA
Target :	Actin β
Fields :	>>Rap1 signaling pathway;>>Phagosome;>>Apoptosis;>>Hippo signaling pathway;>>Focal adhesion;>>Adherens junction;>>Tight junction;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Leukocyte transendothelial migration;>>Thermogenesis;>>Regulation of actin cytoskeleton;>>Thyroid hormone signaling pathway;>>Oxytocin signaling pathway;>>Gastric acid secretion;>>Amyotrophic lateral sclerosis;>>Bacterial invasion of epithelial cells;>>Vibrio cholerae infection;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Yersinia infection;>>Influenza A;>>Proteoglycans in cancer;>>Hepatocellular carcinoma;>>Hypertrophic cardiomyopathy;>>Viral myocarditis;>>Fluid shear stress and atherosclerosis
Gene Name :	ACTB
Protein Name :	Actin cytoplasmic 1
Human Gene Id :	60
Human Swiss Prot	P60709
No : Mouse Gene Id :	11461
Mouse Swiss Prot	P60710
Rat Gene Id :	81822
Rat Swiss Prot No :	P60711
Immunogen :	Synthesized peptide derived from human protein.AA range: 1-100
Specificity :	This antibody detects endogenous levels of β-actin protein.



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Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/lgG1, kappa
Dilution :	WB 1:1000-5000. IF 1:100-500. ELISA 1:5000-50000
Purification :	Protein G
Concentration .	
Concentration :	T mg/m
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight ·	42kD
Observed Band :	42KD
Cell Pathway :	Focal adhesion;Adherens_Junction;Adherens_Junction;Leukocyte
	transendothelial migration;Regulates Actin and Cytoskeleton;Vibrio cholerae
	infection;Pathogenic Escherichia coli infection;Hypertrophic ca
Background -	This gone encodes one of six different actin proteins. Acting are highly
Dackyrounu.	conserved proteins that are involved in cell motility, structure, and integrity. This
	acting a major constituent of the contractile apparatus and one of the two
	nonmuscle cytoskeletal acting [provided by BefSeq Jul 2008]
Function :	disease:Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ)
	[MIM:607371]. DY I J is a form of dystonia with juvenile onset. Dystonia is defined
	by the presence of sustained involuntary muscle contraction, often leading to
	abnormal postures. DYTJ patients manifest progressive, generalized, dopa-
	unresponsive dystonia, developmental malformations and sensory hearing
	loss., function: Actins are highly conserved proteins that are involved in various
	types of cell motility and are ubiquitously expressed in all eukaryotic
	cells.,miscellaneous:In vertebrates 3 main groups of actin isoforms, alpha, beta
	and gamma have been identified. The alpha actins are found in muscle tissues
	and are a major constituent of the contractile apparatus. The beta and gamma
	actins coexist in most cell types as components of the cytoskeleton and as
	mediators of internal cell motility.,similarity:Belongs to the
Subcellular	Cytoplasmic
Location :	
Expression ·	B-cell lymphoma Brain Cajal-Betzius cell Eve Fetal brain
Exp10331011	cortex Foreskin Henatocellular car



Products Images



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: AGS Lane 2: A375 Lane 3: A431 Lane 4: A549 Lane 5: ACHN Lane 6: Daudi Lane 7: Du145 Lane 8: H69AR Lane 9: HACAT Lane 10: HepG2

Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HUVEC Lane 2:JAR Lane 3:Jurkat Lane 4:LN18 Lane 5:MCF7 Lane 6:MES-SA Lane 7:MG-63 Lane 8:MRC-5 Lane 9:NIH-3T3 Lane 10:OVCAR-3

Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-3 Lane 2: PC-12 Lane 3: Raji Lane 4: Ramos Lane 5: Saos-2 Lane 6: RAW264.7 Lane 7: SH-SY5Y Lane 8: SW480 Lane 9: T47D Lane 10: U2OS





Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: U-87 MG Lane 2: Karpas-299 Lane 3: Hela Lane 4: HEK293 Lane 5: Mouse Lung Lane 6: mouse testis Lane 7: Rabbit brain

Postsurgical wound management and prevention of triplenegative breast cancer recurrence with a pryoptosis-inducing, photopolymerizable hydrogel JOURNAL OF CONTROLLED RELEASE Sanjun Shi WB Mouse 4 T1 cell

Wang, Yue, et al. "Fetal exposure to dichloroacetic acid and impaired cognitive function in the adulthood." Brain and Behavior 10.10 (2020): e01801.





B-actin

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Zhuang, Hao, et al. "Glycine decarboxylase induces autophagy and is downregulated by miRNA-30d-5p in hepatocellular carcinoma." Cell death & disease 10.3 (2019).

Bai, Jingchao, et al. "HSP 90 inhibitor AUY 922 can reverse Fulvestrant induced feedback reaction in human breast cancer cells." Cancer science 108.6 (2017): 1177-1184.





Tang, Qiusha, et al. "Combination of PEI-Mn0. 5Zn0. 5Fe2O4 nanoparticles and pHsp 70-HSV-TK/GCV with magnet-induced heating for treatment of hepatoma." International journal of nanomedicine 10 (2015): 7129.



Wang, Wu M., et al. "MicroRNA-182 regulates neurite outgrowth involving the PTEN/AKT pathway." Frontiers in cellular neuroscience 11 (2017): 96.

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Liu, Yanmei, et al. "Cancer Stem Cells are Regulated by STAT3 Signalling in Wilms Tumour." Journal of Cancer 9.8 (2018): 1486.

	Control	CIA	CIA/tran
NR1	-	-	-
NR2B	_	-	-
NR2A	-	_	-

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Song, Zonggong, et al. "miR-352 participates in the regulation of trypsinogen activation in pancreatic acinar cells by influencing the function of autophagic lysosomes." Oncotarget9.13 (2018): 10868.