

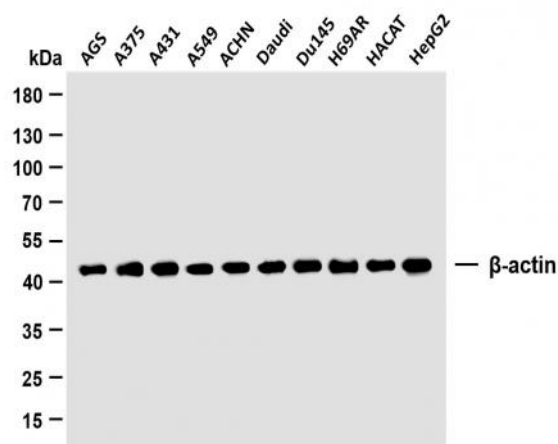
β-actin (PTR2364) mouse mAb

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;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy;>>Viral myocarditis;>>Fluid shear stress and atherosclerosis
Gene Name :	ACTB
Protein Name :	Actin cytoplasmic 1
Human Gene Id :	60
Human Swiss Prot No :	P60709
Mouse Gene Id :	11461
Mouse Swiss Prot No :	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.

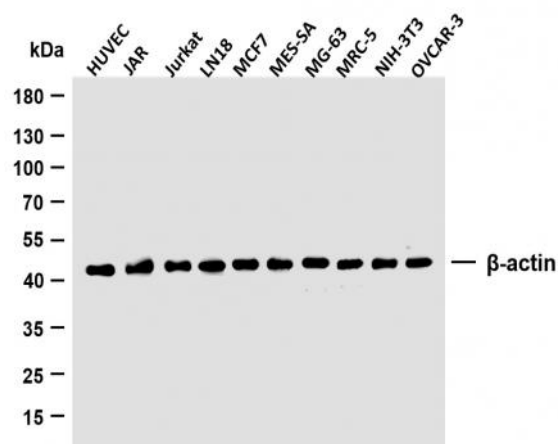
Formulation :	<u>PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA</u>
Source :	<u>Mouse, Monoclonal/IgG1, kappa</u>
Dilution :	<u>WB 1:1000-5000. IF 1:100-500. ELISA 1:5000-50000</u>
Purification :	<u>Protein G</u>
Concentration :	<u>1 mg/ml</u>
Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Molecularweight :	<u>42kD</u>
Observed Band :	<u>42kD</u>
Cell Pathway :	<u>Focal adhesion;Adherens_Junction;Adherens_Junction;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;Vibrio cholerae infection;Pathogenic Escherichia coli infection;Hypertrophic ca</u>
Background :	<u>This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq, Jul 2008],</u>
Function :	<u>disease:Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ 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</u>
Subcellular Location :	<u>Cytoplasmic</u>
Expression :	<u>B-cell lymphoma,Brain,Cajal-Retzius cell,Eye,Fetal brain cortex,Foreskin,Hepatocellular car</u>
Tag :	<u>orthogonal,hot</u>

Sort :	1
No1 :	3700S
No3 :	ab8226
No4 :	1
Host :	Mouse
Modifications :	Unmodified

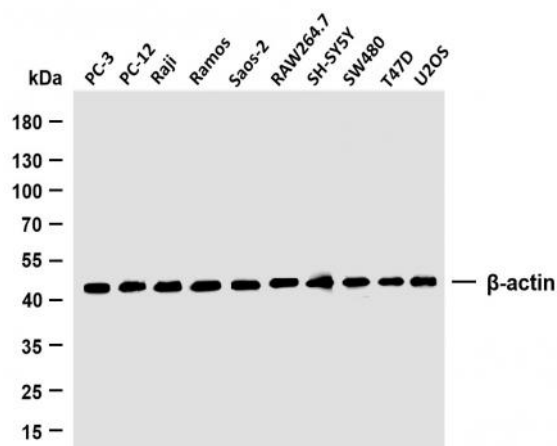
Products Images



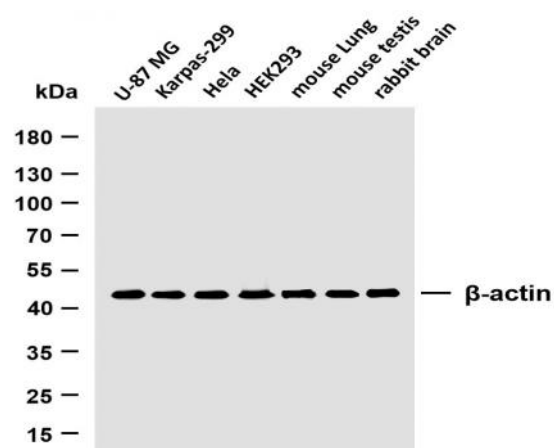
Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: AGS Lane 2: A375 Lane 3: A431 Lane 4: A549 Lane 5: ACHN Lane 6: Daudi Lane 7: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



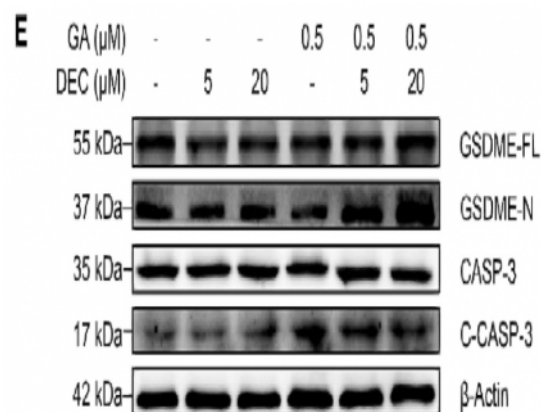
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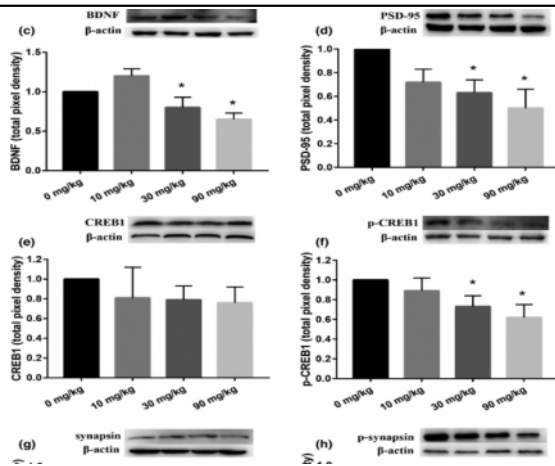


Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: U-87 MG Lane 2: Karpas-299 Lane 3: Hela Lane 4: HEK293 Lane 5: Mouse Lung Lane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



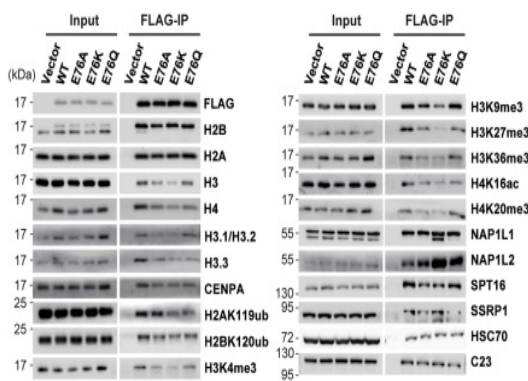
Postsurgical wound management and prevention of triple-negative breast cancer recurrence with a pyroptosis-inducing, photopolymerizable hydrogel JOURNAL OF CONTROLLED RELEASE Sanjun Shi WB Mouse 4 T1 cell

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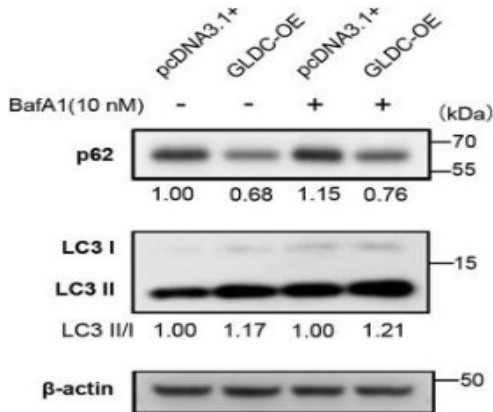
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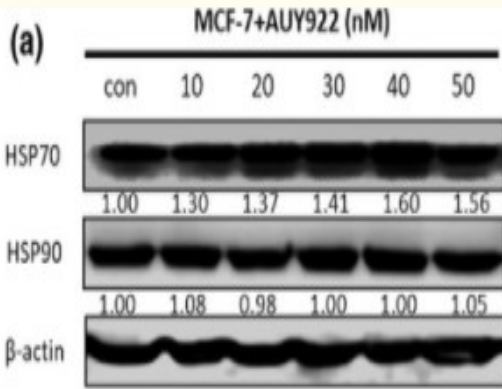


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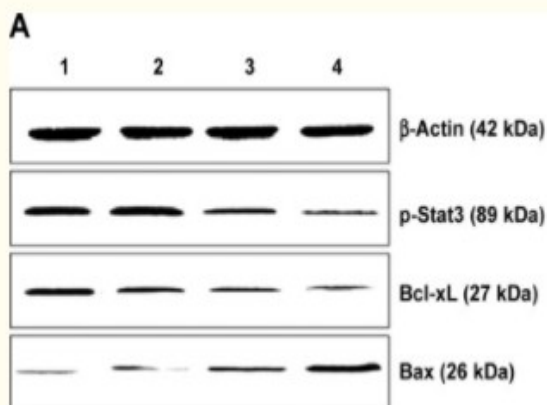
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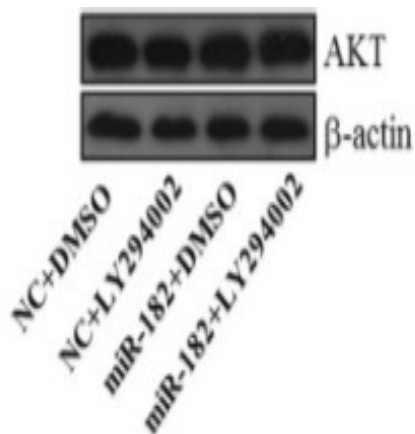
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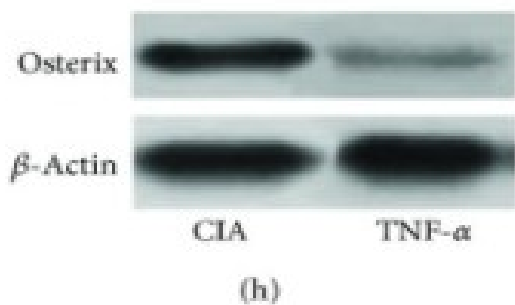


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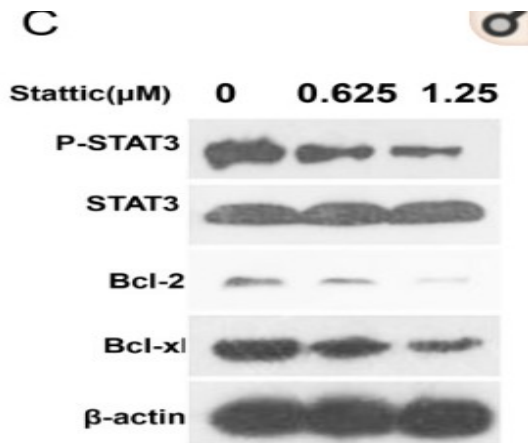
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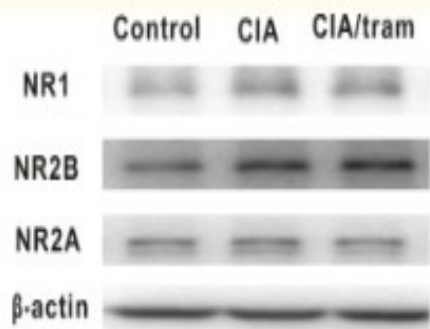
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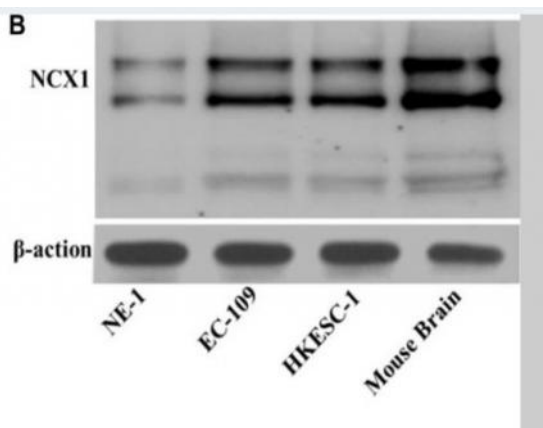
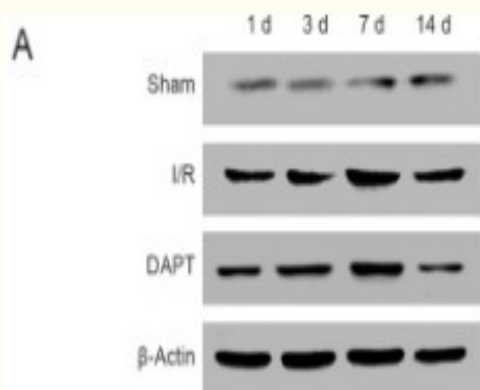
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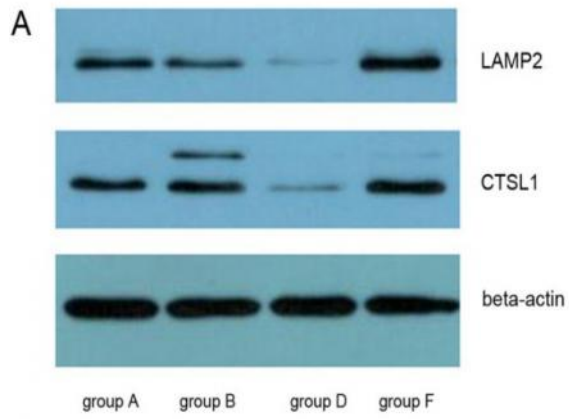
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