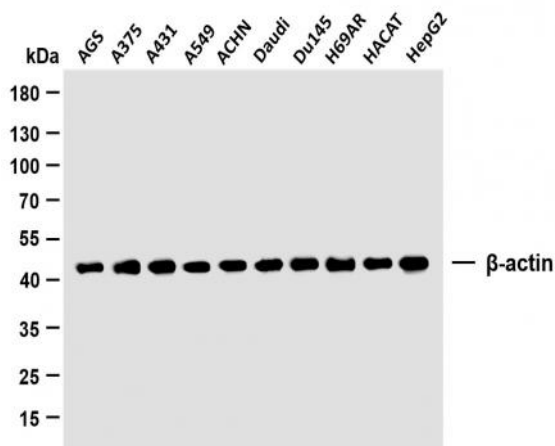


β-actin (PTR2364) mouse mAb

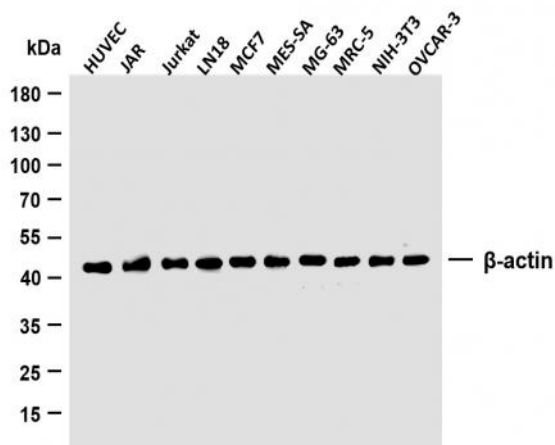
| | |
|------------------------------|--|
| Catalog No : | YM3028 |
| Reactivity : | Human;Mouse;Rat; |
| Applications : | WB;IF;ELISA |
| Target : | Actin β |
| Fields : | >>Rap1 signaling pathway;>>Phagosome;>>Apoptosis;>>Hippo signaling pathway;>>Focal adhesion;>>Adherens junction;>>Tight junction;>>Platelet 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 : | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| Source : | Mouse, Monoclonal/IgG1, kappa |
| Dilution : | WB 1:1000-5000. IF 1:100-500. ELISA 1:5000-50000 |
| Purification : | Protein G |
| Concentration : | 1 mg/ml |
| 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 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], |
| Function : | 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 |
| Subcellular Location : | Cytoplasmic |
| Expression : | B-cell lymphoma,Brain,Cajal-Retzius cell,Eye,Fetal brain cortex,Foreskin,Hepatocellular car |

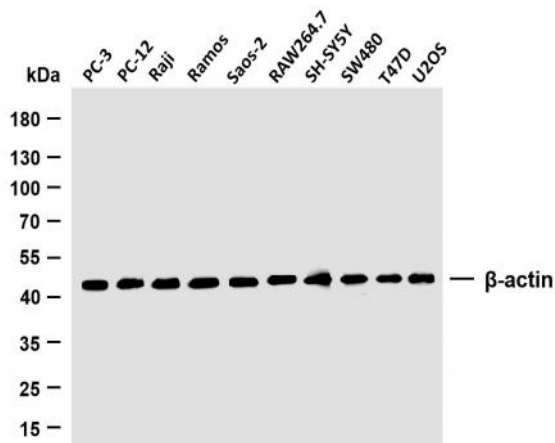
Products Images



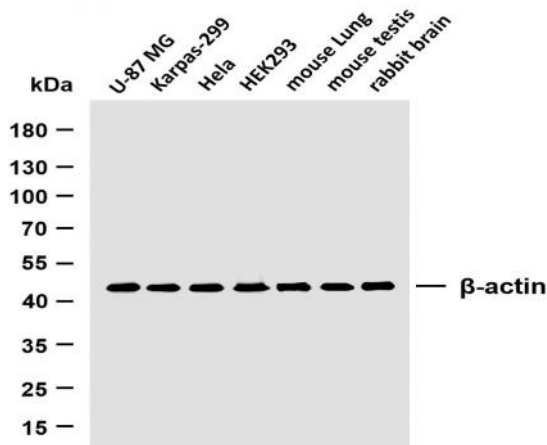
Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: AGS Lane 2: A375 Lane 3: A431 Lane 4: A549 Lane 5: ACHN Lane 6: Daudi Lane 7: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



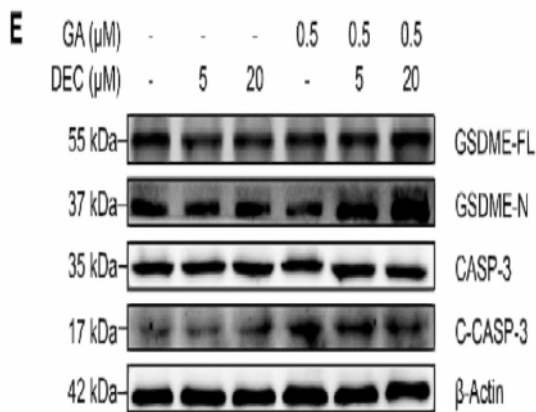
Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HUVEC Lane 2: JAR Lane 3: Jurkat Lane 4: LN18 Lane 5: MCF7 Lane 6: MES-SA Lane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



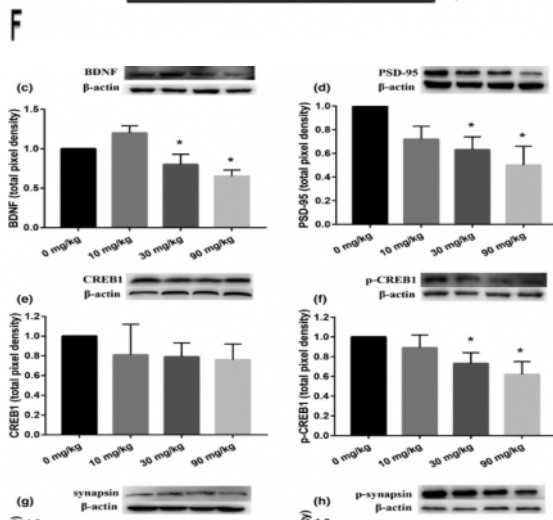
Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti- β -actin (PTR2364) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-3 Lane 2: PC-12 Lane 3: Raji Lane 4: Ramos Lane 5: Saos-2 Lane 6: RAW264.7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

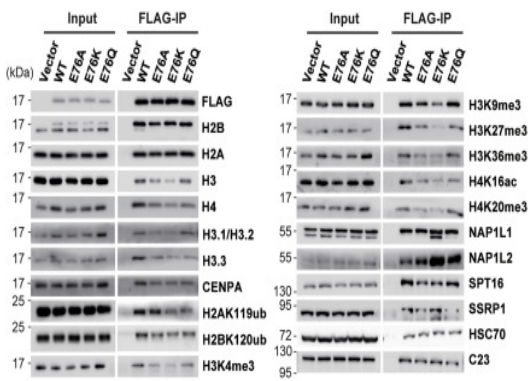


Postsurgical wound management and prevention of triple-negative breast cancer recurrence with a pyroptosis-inducing, photopolymerizable hydrogel JOURNAL OF CONTROLLED RELEASE Sanjun Shi WB Mouse 4 T1 cell



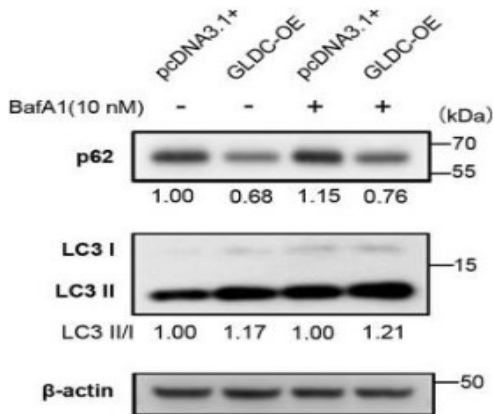
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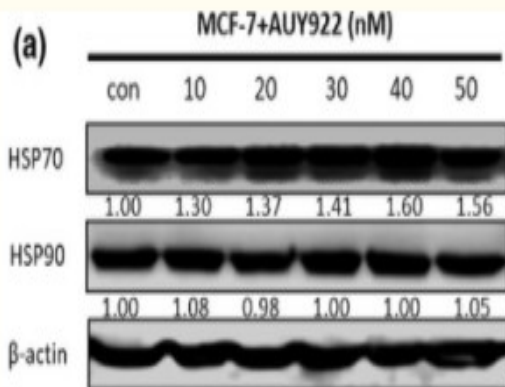
Kang, Tze Zhen Evangeline, et al. "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer." *Journal of Biological Chemistry* 296 (2021).

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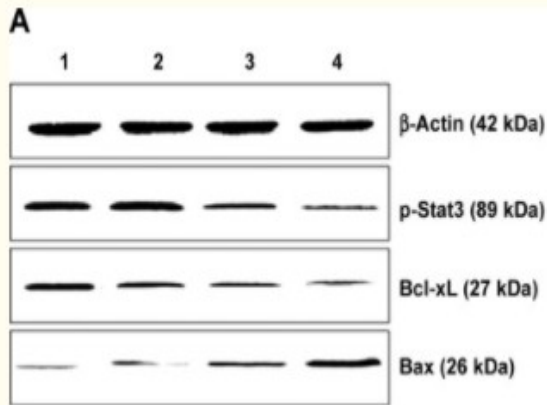


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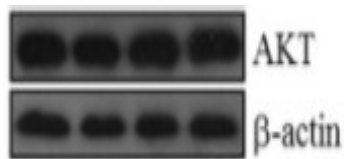
(a)



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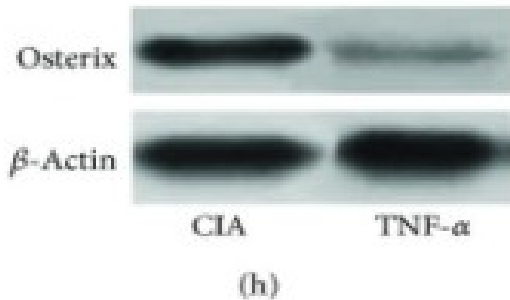
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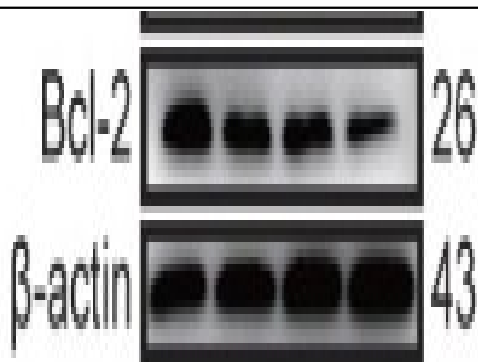


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NC+DMSO
 NC+LY294002
 miR-182+DMSO
 miR-182+LY294002

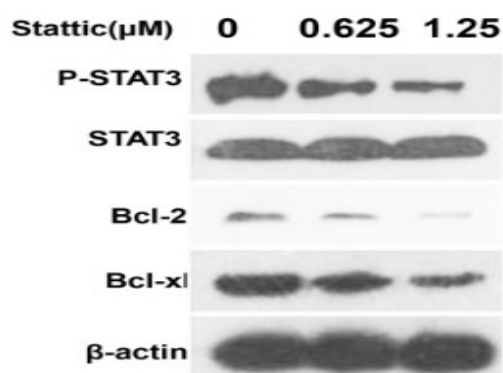
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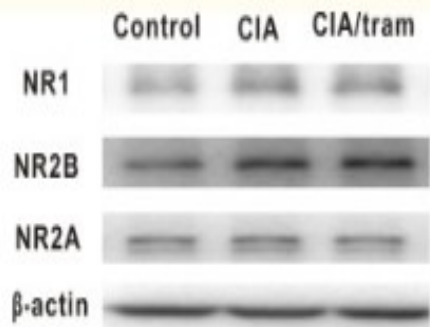


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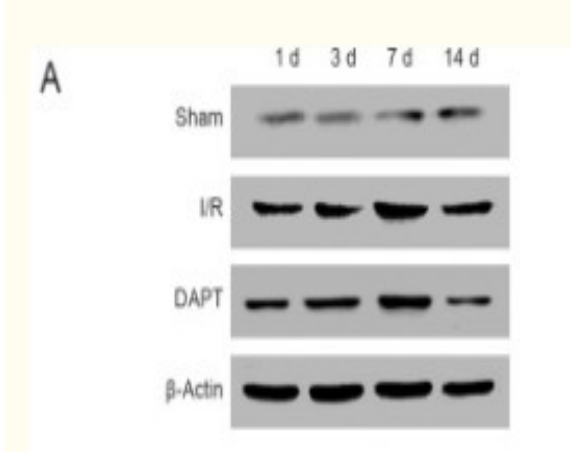
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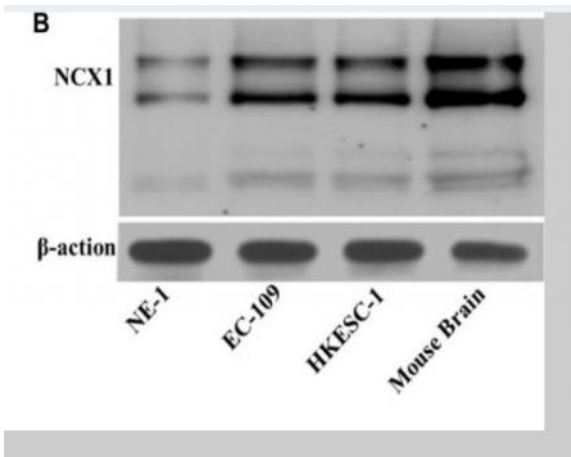
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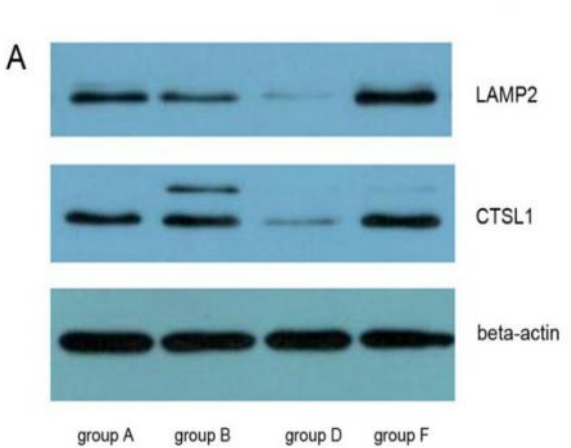
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