

β -actin Monoclonal Antibody(5B7), AbFluor 594 Conjugated

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| Catalog No : | YM2189 |
| Reactivity : | Human;Rat;Mouse;Mk;Dg;Ch;Hamster;Rabbit;Insect |
| Applications : | IF;WB;IHC |
| 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 |
| Specificity : | β -actin Monoclonal Antibody(5B7) AbFluor™ 594 Conjugated specially designed for your Immunofluorescence analysis. |
| Formulation : | Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol. |
| Source : | Monoclonal, Mouse IgG1 |
| Dilution : | Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC 1:200, IF 1:200. |

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| Purification : | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Concentration : | 1mg/ml |
| Storage Stability : | Stable for one year at -15°C to -25°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezi |
| 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 : | Cytoplasm, cytoskeleton . Nucleus . Localized in cytoplasmic mRNP granules containing untranslated mRNAs. . |
| Expression : | B-cell lymphoma,Brain,Cajal-Retzius cell,Eye,Fetal brain cortex,Foreskin,Hepatocellular car |
| Tag : | orthogonal |
| Sort : | 1277 |
| No4 : | 1 |
| Host : | Mouse |
| Modifications : | Unmodified |

Conjugate : AbFluor 594

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