

Beta-Actin Recombinant Antibody | ACTB recombinant antibody

Beta-Actin Loading Control Antibody, Chimeric Rabbit MAb

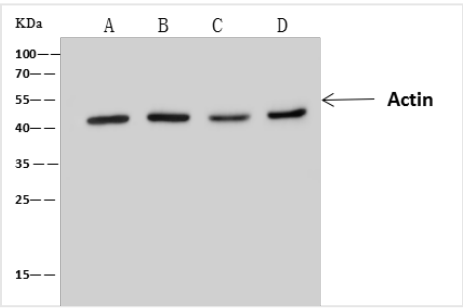
CATALOG # AAA259482	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

Beta-Actin; Monoclonal Recombinant Antibody; Beta-Actin Loading Control Antibody; Chimeric Rabbit MAb; actin; beta; Anti-BKRNS Antibody; Anti-BNS Antibody; Anti-BRWS1 Antibody; Anti-CSMH Antibody; Anti-DDS1 Antibody; Anti-PS1TP5BP1 Antibody; Anti-THC8 Antibody; ACTB recombinant antibody

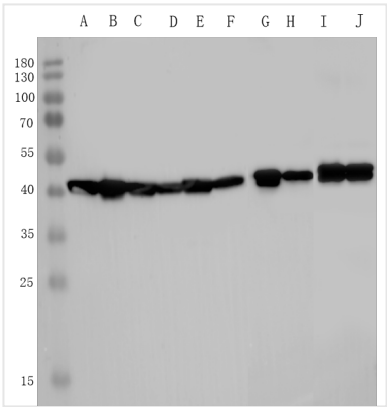
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	10
Specificity	Human beta-Actin
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for ACTB recombinant antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human beta Actin/ACTB
Preparation	It is a chimeric monoclonal antibody combining the constant domains of the rabbit IgG molecule with mouse variable regions. The variable region was obtained from a mouse immunized with A synthetic peptide corresponding to the N-terminus of the Human beta Actin/ACTB. The antibody was produced using recombinant antibody technology.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IP (Immunoprecipitation)

Actin was immunoprecipitated using: Lane A:0.5 mg HeLa Whole Cell Lysate Lane B:0.5 mg Jurkat Whole Cell Lysate Lane C:0.5 mg MCF7 Whole Cell Lysate Lane D:0.5 mg A431 Whole Cell Lysate 4 uL anti-Actin rabbit monoclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-Actin rabbit monoclonal antibody,at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 43 kDa Observed band size :44 kDa



WB (Western Blot)

Anti-beta-Actin rabbit monoclonal antibody at 1:20000 dilutionLane A: Jurkat Whole Cell LysateLane B: HeLa Whole Cell LysateLane C: HepG2 Whole Cell LysateLane D: A549 Whole Cell LysateLane E: Mouse brain tissue lysateLane F: Mouse skeletal muscle tissue lysateLane G: Mouse kidney tissue lysateLane H: Rat brain tissue lysateLane I: Rat lung tissue lysateLane J: Rat kidney tissue lysateLysates/proteins at 30ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique. Performed under reducing conditions.Predicted band size:42 kDaObserved band size:42 kDa

ADDITIONAL INFORMATION

Related Product Information for ACTB recombinant antibody

ACTB (Actin Beta) is a Protein Coding gene. Diseases associated with ACTB include Dystonia, Juvenile-Onset and Baraitser-Winter Syndrome 1. Among its related pathways are Salivary secretion and Development Slit-Robo signaling. Gene Ontology (GO) annotations related to this gene include identical protein binding and RNA polymerase II proximal promoter sequence-specific DNA binding. An important paralog of this gene is ACTG1. TUBB, HPRT andACTBwere the most stably expressed genes for all analysis groups across meningioma and non-pathological meningeal tissue combined. ACTB, a significant upregulated gene in abdominal aortic aneurysm samples, could be regulated by CLIC4, which was significantly enriched in cell motions. Dystonia-deafness syndrome is a well-known clinical entity, with sensorineural deafness typically manifesting earlier than dystonia. ACTB p.Arg183Trp heterozygosity has been reported in six patients to cause combined infant-onset deafness and dystonia manifesting in adolescence or young adulthood.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.