

Recombinant Rat ACTB Protein

Catalog #	Source	Reactivity	Applications
CRP3153	E. coli	Rat	E, WB, SDS-PAGE, MS
Description	Recombinant Rat ACTB Protein is produced by our E. coli expression system and the target gene encoding Asp2-Phe375 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 10mM Tris-HCl, 0.1% TritonX-100, 2mM DTT, 10% Glycerol, pH 8.0.		
Gene Symbol	ACTB		
Alternative Names	Actin cytoplasmic 1; Beta-actin		
Entrez Gene	81822 (Rat)		
SwissProt	P60711 (Rat)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	DDDIAALVVD NGSGMCKAGF AGDDAPRAVF PSIVGRPRHQ GVMVGMGQKD SYVGDEAQSK RGILTLKYPI EHGIVTNWDD MEKIWHHTFY NELRVAPEEH PVLLTEAPLN PKANREKMTQ IMFETFNTPA MYVAIQAVLS LYASGRTTGI VMDSGDGVTH TVPIYEGYAL PHAILRLDLA GRDLTDYLMK ILTERGYSFT TTAEREIVRD IKEKLCYVAL DFEQEMATAA SSSSLEKSYE LPDGQVITIG NERFRCPEAL FQPSFLGMES CGIHETTFNS IMKCDVDIRK DLYANTVLSG GTTMYPGIAD RMQKEITALA PSTMKIKIIA PPERKYSVWI GGSILASLST FQQMWISKQE YDESGPSIVH RKCFLHHHH HH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Rat, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

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www.cohesionbio.com

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order@cohesionbio.com

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