

Anti- β -Actin Antibody
Immunology

Catalog Number	IT010M-100UG
Description	The mouse anti- β -Actin monoclonal antibody is a highly specific and widely used antibody for detecting β -Actin, a highly conserved protein involved in maintaining the cytoskeleton's structural integrity and regulating cell motility. β -Actin is commonly expressed in various cell types, making it an excellent internal control in Western blot, immunohistochemistry (IHC), immunofluorescence (IF), and other immunoassays. This antibody demonstrates strong cross-reactivity across species such as human, mouse, rat, and many others, making it a valuable tool in diverse biological and biomedical research applications.
Host Species	Mouse
Properties	Purified immunoglobulin.
Formulation	PBS (pH 7.4), containing 0.5% BSA, 50% glycerol and preservatives.
Concentration	1.0 mg/mL
Isotype	IgG
Pack Size	100 μ g
Stability	Stable for one year at 4°C from the date of shipment; -20°C for long term storage (up to 3 years).
Application	WB (Western Blot), IHC-P (Immunohistochemistry-Paraffin-embedded tissue), IF: (Immunofluorescence), ICC (Immunocytochemistry)
Working Concentration	IF/ICC, 1:100; WB, 1:5000; IHC-P, 1:500; ELISA, 1:20,000. The concentration may vary based on the specific experiment.
Specificity and Cross Reactivity	This antibody shows specificity and cross-reactivity with human, mouse, rat, hamster, chicken, bovine, pig, cat, and dog.

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES

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