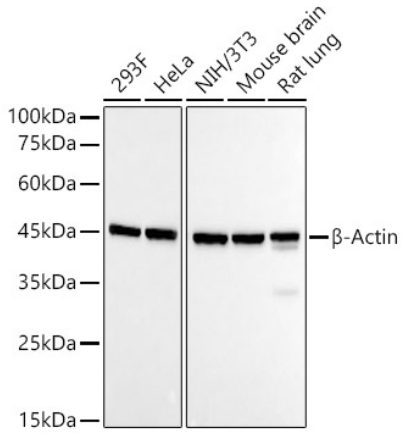
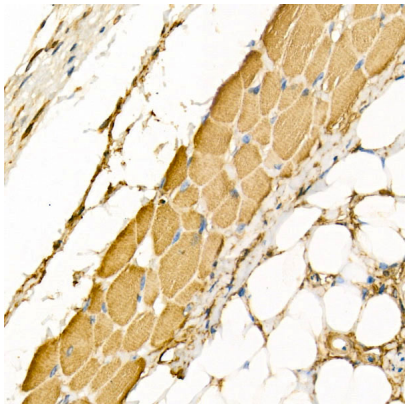
Product Data Sheet
β-Actin Rabbit mAb

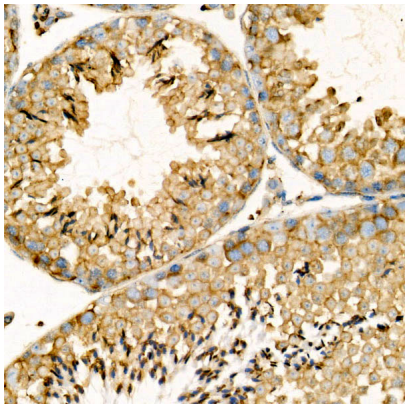
Product name:	β-Actin Rabbit mAb
Cat number:	AB048
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC5115-02
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein of human β-Actin
Reactivity:	Human,Mouse,Rat
Applications:	WB,1:10000 - 1:140000 IHC-P,1:500 - 1:1000 IF/ICC,1:200 - 1:800 ELISA,Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	42kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.
Background:	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins that are ubiquitously expressed. Mutations in this gene cause Baraitser-Winter syndrome 1, which is characterized by intellectual disability with a distinctive facial appearance in human patients. Numerous pseudogenes of this gene have been identified throughout the human genome.



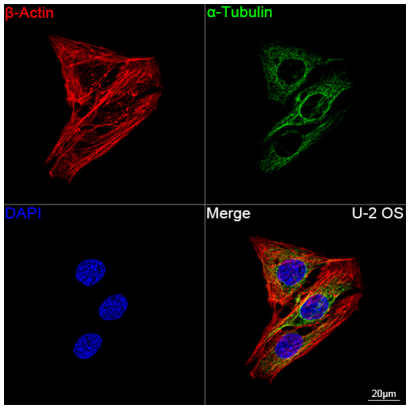
Western blot analysis of various lysates, using β-Actin Rabbit mAb at 1:120000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using β-Actin Rabbit mAb at dilution of 1:800 . High pressure antigen retrieval performed with 0.01M Citrate Bufferr prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using β-Actin Rabbit mAb at dilution of 1:800 . High pressure antigen retrieval performed with 0.01M Citrate Bufferr prior to IHC staining.



Confocal imaging of U-2 OS cells using β-Actin Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . The cells were counterstained with α-Tubulin Mouse mAb followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG Ab . DAPI was used for nuclear staining . Objective: 100x.