

β -actin Mouse mAb

Cat. QYA10733A

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.

Source

β -actin mouse monoclonal antibody is produced by immunizing animals with the internal region of human β -actin protein. The antibody was affinity-purified by affinity-chromatography using specific immunogen.

Product

Each vial contains 100ug mouse IgG diluted in 100ul of PBS pH7.4 containing 0.02% sodium azide and 50% glycerol. The antibody concentration is 1mg/ml.

Specificity

The antibody detects endogenous β -actin proteins.

Applications and Suggested Working Concentration

WB: 1:5000-1:10000

IF: 1:200

IHC: 1:200

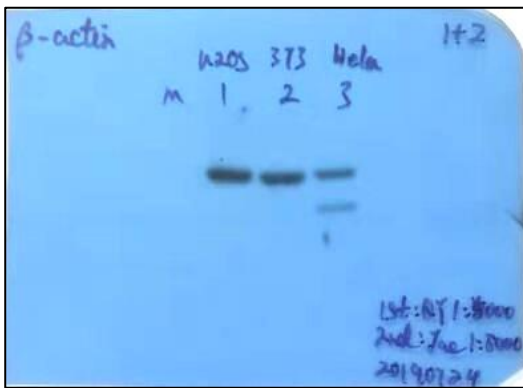
Storage

Storage at -20°C. Do not aliquot the antibody. Stable for one year from the date of shipment.

Research Use

For research use only, not for use in diagnostic procedures.

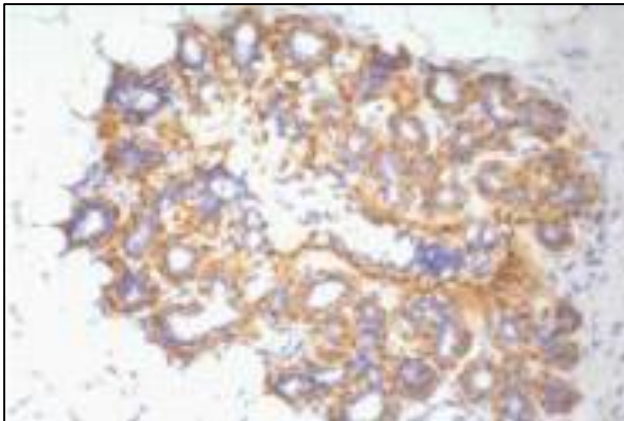
Data



Western blot analysis of:

1. U2OS 2. 3T3 3. HeLa

Antibody was diluted at 1:5000.



IHC staining of human ovary tissue.

Antibody was diluted at 1:200.

β-actin Mouse mAb

Catalog No.	QYA10733A
Size.	100ug
Gene Name.	ACTB
Protein Name.	actin beta
Source.	Mouse
Immunogen.	Synthesized peptide
Purification.	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using specific immunogen.
Specificity.	The antibody detects endogenous β-actin protein.
Formulation.	PBS, pH 7.4, containing 0.02% sodium azide and 50% Glycerol.
Concentration.	1 mg/ml
Storage / Stability.	-20°C/1 year
Human Gene ID.	60
Human Swiss-Prot No.	P60709
Mouse Gene ID	11461
Mouse Swiss-Prot No.	P60710
Rat Gene ID	81822
Rat Swiss-Prot No.	P60711
Reactivity.	H, R, M, Mk, Dg, Ch, Hm, Rb, Insect
Applications.	WB, IHC
Predicted band (Da)	41737
Observed band (KDa)	43
Dilution.	WB:1:5000, IHC:1:200
Other name.	ACTB; Actin, cytoplasmic 1; Beta-actin