OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for BM5079

ACTC1 Mouse Monoclonal Antibody [Clone ID: AC1-20.4.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AC1-20.4.2
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/500. **Western Blot:** 1/1000 (using the ECL-enhanced procedure). **Immunohistochemistry on Frozen Sections:** 1/10. **Immunohistochemistry on Paraffin-Embedded Tissue:** 1/10 (After microwave treatment). ***Incubation time:*** 1 h at RT. **Special Treatment:** It is necessary to include **0.5 M NaCl** in all washing buffers for application on Frozen tissue and **1 M NaCl** for Western blotting and ELISA to enhance specifity. This is not necessary for Paraffin sections.
Reactivity:	Bovine, Chicken, Human, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic NH2 terminus decapeptide of cardiac isoform of Actin.
Specificity:	This antibody is specific for Fetal (Cardiac) isoform of Actin. Clone Ac1 represents an excellent marker for cardiac tissue. It discriminates fetal (cardiac) alpha-Actin from all other Actin isoforms. Mab Ac1-20.4.2 shows no cross reaction with other Actin isoforms present in skeletal and smooth muscle, provided that stringent conditions have been applied (see **Special Treatment**).
Formulation:	Final Solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in 1.0 ml distilled water.
Purification:	Affinity Chromatographyon Protein G.
Conjugation:	Unconjugated

View online »

Storage:	Store the antibody After reconstitution at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	actin, alpha, cardiac muscle 1
Database Link:	Entrez Gene 70 Human P68032
Background:	Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. ACTB/ACTC are nonmuscle cytoskeletal actins and major constituents of the contractile apparatus. Defects in ACTB are a cause of juvenile-onset dystonia. Defects in ACTC have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC). Fetal Actin can be localized in regenerating skeletal muscle after injury (in satellite cells) and in veins of the umbelical cord.
Synonyms:	ACTC; ASD5; CMD1R; CMH11