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Actin, sarcomeric muscle (AB1592) mouse mAb

W0261

Key Features

Host Species
• Mouse

Reactivity
• Human; Mouse; Rat; Bovin; Pig; Chick;

Applications
• IHC; WB; IF; ELISA

MW
• kDa (calculated)
• 42 kDa (observed)

Isotype
• IgG1, kappa

Recommended Dilution Ratios

Application	Dilution
IHC; WB; IF; ELISA	IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1592
Immunogen	A synthetic peptide corresponding to the amino acid region 2 - 50 of the human Actin, sarcomeric muscle protein.
Specificity	This antibody detects endogenous levels of alpha-cardiac actin and alpha-actin-1 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	ACTA1 ACTA
Protein Name	Actin; sarcomeric muscle

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P68032; P68133;	0

Background **The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq, Jul 2008],**