

Product Datasheet

Alpha Skeletal Muscle Actin (2B10) Mouse mAb

Catalog No: AB3453

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG

Applications: WB, IHC, ICC/IF, IP



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Information

UniProt ID: P68133

All Names: ACTA, ACTA1, ACTC, ACTC1, Actin alpha cardiac muscle, ACTS, Alph

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 42kDa

Application

WB: 1/1000-1/10000

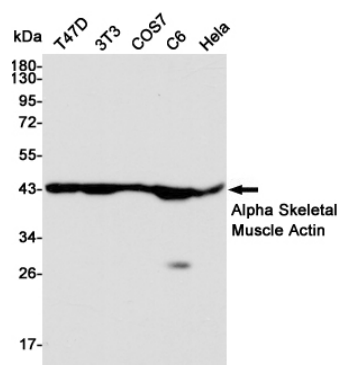
IHC: 1/50-1/200

ICC/IF: 1/50-1/200

IP: 1/50

Background

Swiss-Prot Acc.P68133. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. In vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility.



Western blot detection of Alpha Skeletal Muscle Actin in T47D, 3T3, COS7, C6 and HeLa cell lysates using Alpha Skeletal Muscle Actin mouse mAb (1:10000 diluted). Predicted band size: 42KDa. Observed band size: 42KDa.

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