

## Product Datasheet

# alpha smooth muscle Actin (3G2) Mouse mAb

Catalog No: AB3457

Reactivity: Human Mouse Rat

Isotype: Mouse IgG1

Applications: WB IHC ICC/IF



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## Information

**UniProt ID:** P62736

**All Names:** AAT6, ACTA2, alpha actin 2, GIG46, ACTSA, ACTVS

**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:** Synthetic Peptide of  $\alpha$ -SMA

**Molecular Wt.:** 42 kDa

## Application

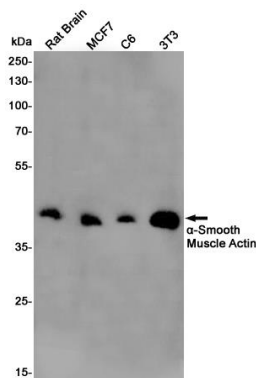
WB: 1/500-1/1000

IHC: 1/50-1/100

ICC/IF: 1/50-1/200

## Background

Swiss-Prot Acc.P62736.Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.MiscellaneousIn 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  $\alpha$ -Smooth Muscle Actin in Rat Brain,MCF7,C6 and 3T3 cell lysates using  $\alpha$ -Smooth Muscle Actin (3G2) Mouse mAb (1:1000 diluted).Predicted band size:42KDa.Observed band size:42KDa.

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