

alpha Smooth Muscle Actin (3G2) Mouse mAb

db6485

Package : 50µL 100µL

Product Name : alpha Smooth Muscle Actin (3G2) Mouse mAb**Cat.No.:** db6485**Synonyms** : AAT6; ACTA2; alpha actin 2; GIG46; ACTSA; ACTVS; α-SMA**Application** : WB, IHC-Fr, IHC-P, ICC/IF**Reactivity** : Human, Mouse, Rat**Host species** : Mouse**Background**

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.

Immunogen

Synthetic Peptide of α-SMA

Gene ID

59

Swiss Prot

P62736

Synonyms

AAT6; ACTA2; alpha actin 2; GIG46; ACTSA; ACTVS; α-SMA

Reactivity

Human, Mouse, Rat

Application

WB, IHC-Fr, IHC-P, ICC/IF

Recommended dilution

WB: 1:500-1000

ICC/IF: 1:50-1:100

IHC: 1:50-100

Calculated MW

42 kDa

Observed MW

42 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

3G2-2G9-4G5

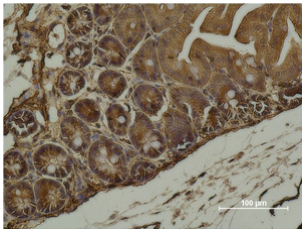
Isotype

IgG1

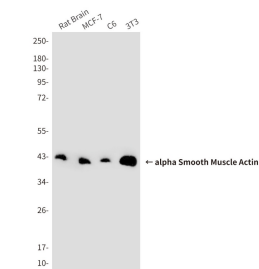
Purity

Affinity Purification

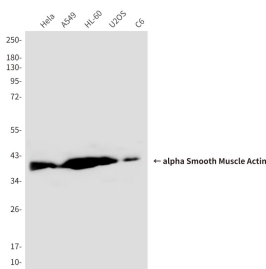
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded mouse Cecal Tissue using alpha Smooth Muscle Actin (3G2) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of alpha Smooth Muscle Actin (3G2) in αSmooth Muscle Actin in rat Brain, MCF-7, C6 and 3T3 lysates using alpha Smooth Muscle Actin (3G2) antibody



Western blot analysis of alpha Smooth Muscle Actin (3G2) in HeLa, A549, HL6, U2OS, C6 lysates using alpha Smooth Muscle Actin (3G2) antibody