

Alpha-Smooth Muscle Actin (alpha SMA) Antibody

Catalogue No.: abx020127

Actin Alpha (ACTA) Antibody is a Mouse Monoclonal antibody against alpha smooth muscle actin.

Actins are highly conserved proteins that play a role in cell contractile activity, motility, cytokinesis, and in maintaining cell structure. Alpha smooth muscle actin is expressed in vascular smooth muscle, myofibroblasts and myoepithelial cells and also in tumours derived from these cells.

Target:	Alpha-Smooth Muscle Actin (alpha SMA)
Clonality:	Monoclonal
Clone:	W848
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Sheep
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	IHC-F: 1/50 - 1/100, IHC-P: Antigen retrieval using heat treatment prior to staining of paraffin sections is required; we recommend using sodium citrate, pH 6.0. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Acetylated N-terminal synthetic decapeptide of alpha smooth muscle actin coupled to KLH.
Isotype:	IgG _{2a}
Form:	Liquid
Purification:	Purified
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P62736 (UniProt , ExPASy)
Gene Symbol:	ACTA2
GeneID:	59
KEGG:	hsa:59

Datasheet

Version: 6.0.0

Revision date: 10 May 2025



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Buffer: PBS, 0.09% sodium azide.

Specificity: Recognises alpha smooth muscle actin.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only