

# $\alpha$ -SMA Monoclonal Antibody

Catalog No: #40482

Package Size: #40482-1 50ul #40482-2 100ul

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## Description

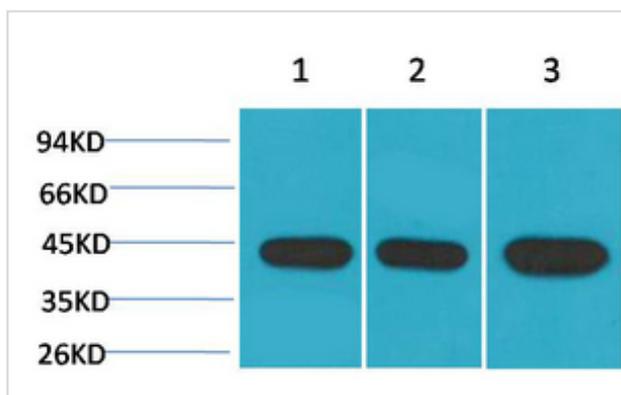
Product Name	$\alpha$ -SMA Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Isotype	IgG2a,Kappa
Purification	The antibody was affinity-purified from antiserum by affinity-chromatography
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous $\alpha$ -SMA protein.
Immunogen Description	Synthetic Peptide
Conjugates	Unconjugated
Target Name	$\alpha$ -SMA
Accession No.	Swiss-Prot: P62736NCBI Gene ID: 59
SDS-PAGE MW	42kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

## Application Details

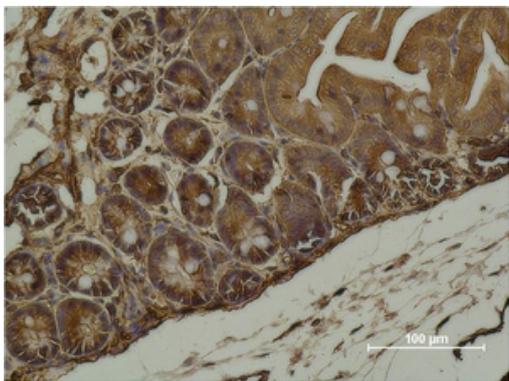
Western blotting: 1:5000-50000

Immunohistochemistry: 1:1000-2000IF 1:200

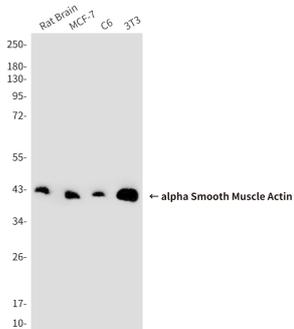
## Images



Western blot analysis of 1) HeLa, 2) 3T3, 3) Rat Brain using  $\alpha$ -SMA Monoclonal Antibody.



Immunohistochemical analysis of paraffin-embedded Mouse Cecal Tissue using  $\alpha$ -SMA Monoclonal Antibody.



Western blot analysis of alpha Smooth Muscle Actin in  $\alpha$ Smooth Muscle Actin in rat Brain, MCF-7, C6 and 3T3 lysates using alpha Smooth Muscle Actin antibody

## Published Papers

el at., LncRNA HULC promotes epithelial and smooth-muscle-like differentiation of adipose-derived stem cells by upregulation of BMP9. In *Pharmazie*. On 2018 Jan 2 by Li Y, Shan Z et al..PMID: 29441951, , (2018)

[PMID:29441951](#)

el at., CoQ10 enhances the efficacy of airway basal stem cell transplantation on bleomycin-induced idiopathic pulmonary fibrosis in mice. In *Respir Res* on 2022 Feb 26 by Huanbin Liu, Shuna Liu, et al..PMID:35219329, , (2022)

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el at., Gastrodin attenuates angiotensin II-induced vascular contraction and MLCK/p-MLC2 pathway activationIn *Pharm Biol*On2023 DecbyZhi Guo , Xuan Yang et al..PMID:37211627, , (2023)

[PMID:37211627](#)

el at., Gastrodin attenuates renal injury and collagen deposition via suppression of the TGF- $\beta$ 1/Smad2/3 signaling pathway based on network pharmacology analysis In*Front Pharmacol*On2023 Jan 17byYing Wen , Xiuli Zhang et al..PMID:36733505, , (2023)

[PMID:36733505](#)

el at., The m6A reader IGF2BP2 regulates glycolytic metabolism and mediates histone lactylation to enhance hepatic stellate cell activation and liver fibrosis. In *Cell Death Dis* on 2024 Mar 5 by Yongqiang Zhou, Jiexi Yan,et al..PMID:38443347, , (2024)

[PMID:38443347](#)

Ling Wang;Jing Li;Yue Xiong;Yihang Wu;Fen Yang;Ying Guo;Zhaolin Chen;Liqian Gao;Wenbin Deng el at., Ultrashort Peptides and Hyaluronic Acid-Based Injectable Composite Hydrogels for Sustained Drug Release and Chronic Diabetic Wound Healing, , (2021)

[PMID:](#)

Dan Ma;Yimin Hua;Yongguang Lu el at., Complement factor H drives idiopathic pulmonary fibrosis by autocrine C3 regulation, suppressing macrophage phagocytosis and enhancing fibrotic progression., , (2025)

[PMID:39740399](#)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.