

α -SMA Polyclonal Antibody

Catalog No: #41550

Package Size: #41550-1 50ul #41550-2 100ul

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Description

Product Name	α -SMA Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC ELISA IF
Species Reactivity	Human;Mouse;Rat
Specificity	α -SMA Polyclonal Antibody detects endogenous levels of α -SMA protein.
Immunogen Description	Synthesized peptide derived from the N-terminal region of human α -SMA.
Conjugates	Unconjugated
Target Name	α -SMA
Other Names	ACTA2; ACTSA; ACTVS; GIG46; Actin; aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein
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 Blot: 1/500 - 1/2000.

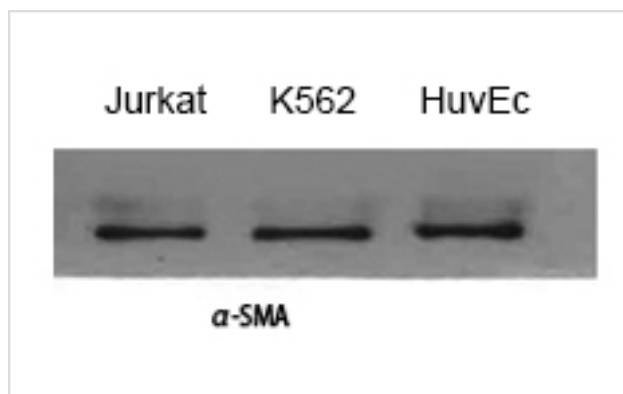
Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/20000.

IF 1:50-200

Not yet tested in other applications.

Images



Western Blot analysis of Jurkat K562 HuvEc cells using α -SMA Polyclonal Antibody

Published Papers

et al., TGF β 1 mediated Smad signaling pathway and EMT in hepatic fibrosis induced by Nano NiO in vivo and in vitro. In Environ Toxicol on 2020 Apr by Zhang Q, Chang X ,et al..PMID: 31737983, , (2020)

[PMID:31737983](#)

et al., Everolimus Alleviates Renal Allograft Interstitial Fibrosis by Inhibiting Epithelial-to-Mesenchymal Transition Not Only via Inducing Autophagy but Also via Stabilizing I κ B- α . In Front Immunol. 2022 Jan 24 by Zeping Gui , Chuanjian Suo,et al.PMID: 35140705, , (2022)

[PMID:35140705](#)

et al., Telmisartan inhibits bladder smooth muscle fibrosis in neurogenic bladder rats. In Exp Ther Med on 2022 Mar by Qian Liu, Ruoyi Wang, et al..PMID:35126719, , (2022)

[PMID:35126719](#)

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