Ablumir
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Anti-α-Smooth Muscle Actin Rabbit mAb [99G22]

Catalog No.: A52369

Basic Information

Catalog No. (Cat.No.)	A52369
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	α-Smooth Muscle Actin,α-SMA,ACTA2,SMA,ASMA,alpha-smooth muscle actin

Product Information

Target	α-Smooth Muscle Actin
Molecular Weight(Calculated)	42 kDa
Molecular Weight(Observed)	42 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	99G22
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Alpha-smooth-muscle actin
Gene Name	*ACTA2*
Domain	NA
Background	α-SMA (α-smooth-muscle actin) is contractile actin isoform and canonical biomarker for myofibroblasts. Quiescent fibroblasts barely express α-SMA. Upon tissue injury and fibrosis, fibroblasts differentiate into myofibroblasts with robust α-SMA expression, mediating cellular contraction and extracellular-matrix secretion.