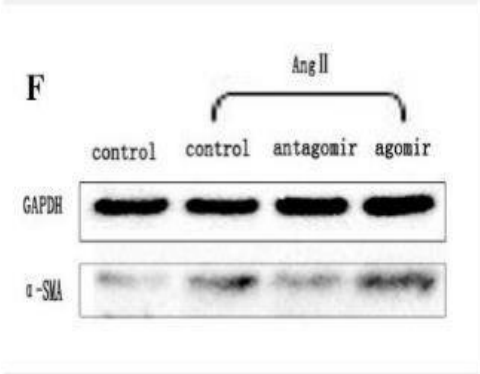
PRODUCT DATA SHEET

α-SMA Monoclonal Antibody(1E12)

Catalog No.	IMB0148
Reactivity	Human;Mouse;Rat
Applications	WB; IHC-p
Gene Name	ACTA2
Protein Name	Actin, aortic smooth muscle
Human Gene Id	59
Swiss-Prot	P62736
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:5000-50000 IHC: 1:1000-2000
PurIF:ication	The antibody was affinity-purIF:ied from mouse ascites by affinity-chromatography using epitope-specIF:ic immunogen.
Concentration	-
Storage&Stability	-20°C/1 year
Background	The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identIF:ied, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identIF:ied. [provided by RefSeq, Nov 2008],
Subcellular Location.	Cytoplasm, cytoskeleton.
BiowMW	-

Products Images:



Wei, Yuzhen, et al. "Inhibition of microRNA-155 ameliorates cardiac fibrosis in the process of angiotensin II-induced cardiac remodeling." Molecular medicine reports 16.5 (2017): 7287-7296.

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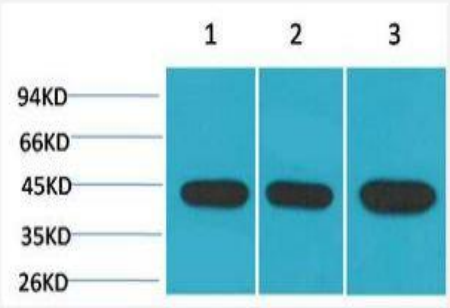
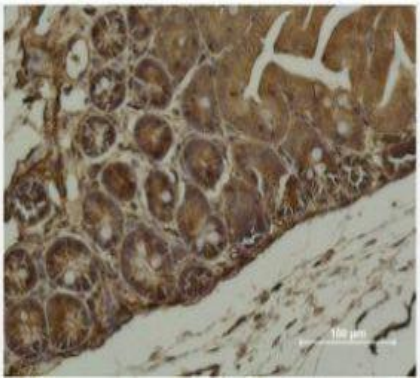
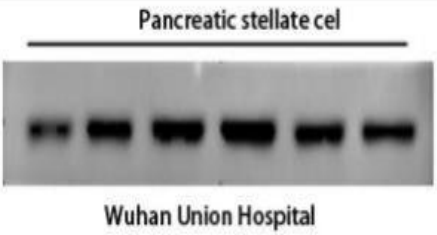


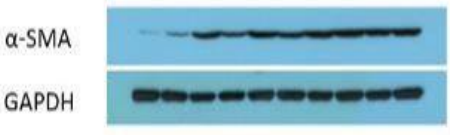
Western blot analysis of 1) Hela, 2) 3T3, 3) Rat Brain using α-SMA Monoclonal Antibody.



Immunohistochemical analysis of paraffin-embedded Mouse Cecal Tissue using α-SMA Monoclonal Antibody.



The picture was kindly provided by our customer



The picture was kindly provided by our customer. Primary antibody was diluted at 1:5000. Loading control antibody was diluted at 1:20000