

## Mouse Monoclonal Antibody to ACTA2

Catalogue Number	sAP-0585
Target Molecule	<b>Name:</b> ACTA2 <b>Aliases:</b> AAT6; ACTSA; $\alpha$ -Smooth Muscle Actin <b>MW:</b> 42kDa <b>Entrez Gene ID:</b> 59
Description	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 identified, 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 identified.
Immunogen	Synthesized peptide of human ACTA2. ;
Recitative Species	Human; Mouse; Rat; Monkey
Clone	MM4A4;
Size and Concentration	100 $\mu$ g/1mg/ml
Supplied as	Lyophilized Powder from 100 $\mu$ l of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100 $\mu$ l sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Hum Genet. 2009 Nov;54(11):687-8. ; 2. Hum Mutat. 2009 Oct;30(10):1406-11.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**