OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA392476

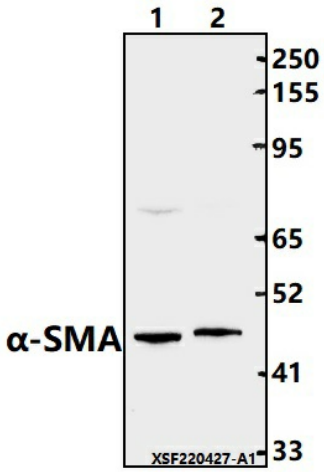
alpha smooth muscle Actin (ACTA2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human α-SMA.
Specificity:	α-SMA polyclonal antibody detects endogenous levels of α-SMA protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 45 kDa
Gene Name:	actin, alpha 2, smooth muscle, aorta
Database Link:	Entrez Gene 59 Human P62736
Background:	Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. AATs are characterized by permanent dilation of the thoracic aorta usually due to degenerative changes in the aortic wall. They are primarily associated with a characteristic histologic appearance known as 'medial necrosis' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.
Synonyms:	a-SMA; AAT6; ACTA2; Actin, aortic smooth muscle; ACTSA; Alpha-actin-2; alpha-SMA; aSMA; Cell growth-inhibiting gene 46 protein; MYMY5; SMA-alpha
Note:	For research use only, not for use in diagnostic procedure.

View online »

Product images:



Western blot (WB) analysis of α-SMA pAb at 1:1000 dilution Lane1:MCF-7 whole cell lysate(40ug) Lane2:HepG2 whole cell lysate(40ug)