

Recombinant Anti-Smooth Muscle Actin Rabbit mAb

Catalog # AP94853

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P62736
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Monoclonal
Calculated MW	42009

Additional Information

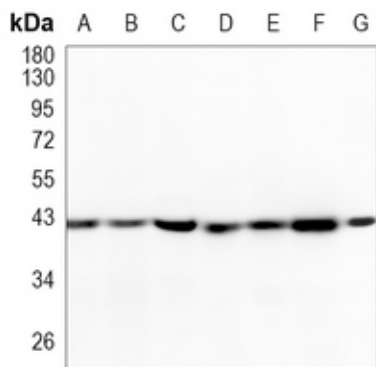
Gene ID	59
Other Names	ACTSA; ACTVS; Actin, aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Smooth Muscle Actin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

Protein Information

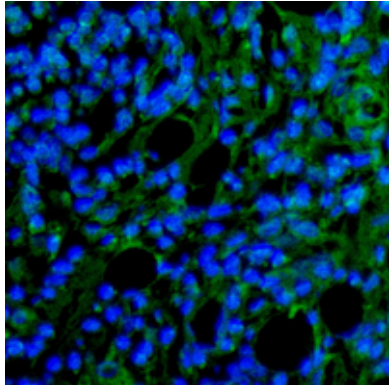
Name	ACTA2
Synonyms	ACTSA, ACTVS
Function	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Cellular Location	Cytoplasm, cytoskeleton.

Images

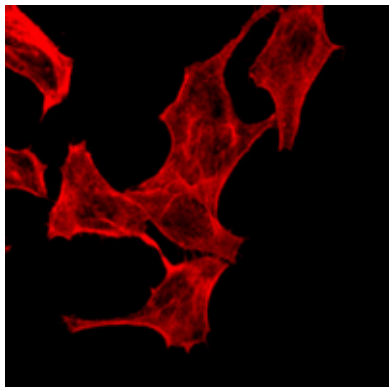
Western blot analysis of Smooth Muscle Actin expression in HEK293T (A), HepG2 (B), H1792 (C), mouse kidney (D), mouse muscle (E), rat kidney (F), rat muscle (G) whole cell



lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)



Immunohistochemical analysis of Smooth Muscle Actin staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).



Immunofluorescent analysis of Smooth Muscle Actin staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.