10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Smooth Muscle Actin Antibody

Catalog # AP95646

Product Information

Application	WB, IHC, FC
Primary Accession	P62736
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	42009

Additional Information

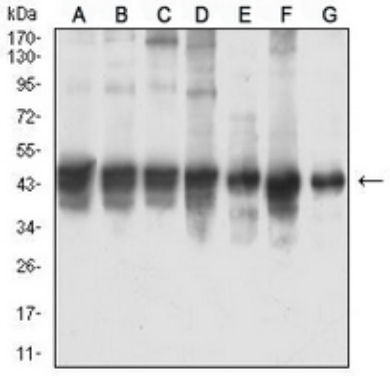
Gene ID	59
Other Names	ACTSA; ACTVS; Actin, aortIC, smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein
Target/Specificity	Recombinant fusion protein of human Smooth Muscle Actin expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

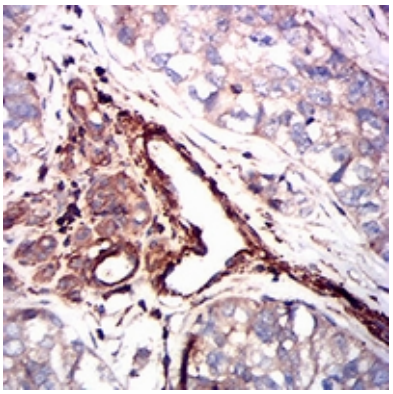
Protein Information

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.

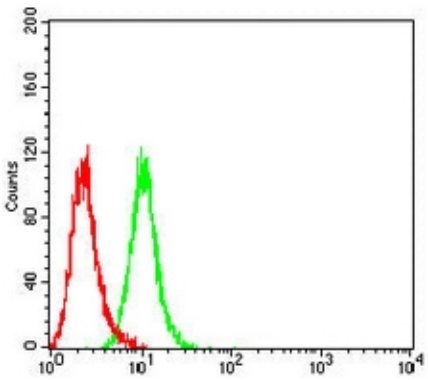
Images

Western blot analysis of Smooth Muscle Actin expression in EC (A), HUVE12 (B), A549 (C), NIH/3T3 (D), HL60 (E), Hela (F), K652 (G) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 43 kD)





Immunohistochemical analysis of Smooth Muscle Actin staining in human bladder 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. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-Smooth Muscle Actin Antibody (green) and negative control (red).

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