



# ELK Biotechnology

$\alpha$  -Smooth Muscle Actin Rabbit pAb

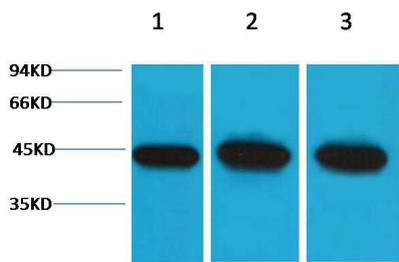
Catalog NO.: EA046

For research use only.

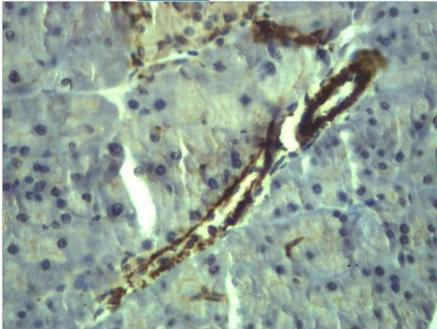
## Overview

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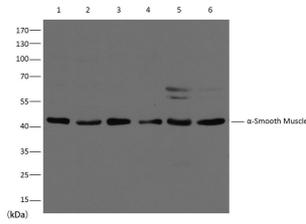
Product name	$\alpha$ -Smooth Muscle Actin Rabbit polyclonal antibody
Source	Rabbit
Applications	WB, IHC
Species reactivity	Human, Rat, Mouse
Recommended dilutions	WesternBlot:1/2000-5000 Immunohistochemistry:1/500-1000 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	42kDa
GeneID (Human)	59
Human Swiss-Prot No.	P62736
Cellular localization	Cytoplasm,Cytoskeleton
Alternative Names	AAT6 antibody, ACTA2 antibody, alpha actin 2 antibody, GIG46 antibody, ACTSA antibody, ACTVS antibody
Background	Actin is a globular multi-functional protein that forms microfilaments. ACTA2 codes for an $\alpha$ -actin located in the smooth muscle, and also in vascular smooth muscle.



Western blot analysis of 1) HeLa, 2)3T3, 3) Rat Kidney tissue with EA046 diluted at 1:5,000.



Immunohistochemical analysis of paraffin-embedded Mouse Colon Tissue using  $\alpha$ -Smooth Muscle Actin (EA046) Rabbit pAb diluted at 1:500.



Western blot analysis of extracts from HeLa (Lane 1),MCF-7 (Lane 2), MG63 (Lane 3), Min6 (Lane 4),Mouse Kidney (Lane 5), Rat Kidney (Lane 6), using  $\alpha$ -Smooth Muscle Actin diluted at 1:5,000.