α-SMA Polyclonal Antibody

catalog number: E-AB-34268

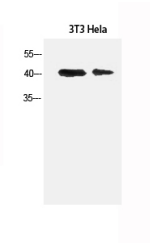
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Synthesized peptide derived from α-SMA
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-2000
IHC	1:50-300
IF	1:50-1:200

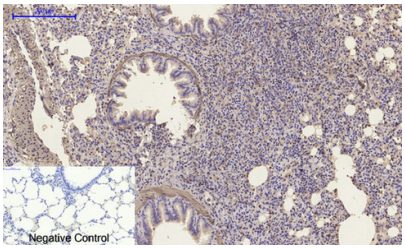
Data



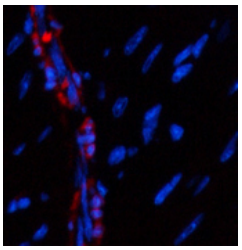
Western Blot analysis of 3T3, Hela cells using α-SMA Polyclonal Antibody at dilution of 1:1500.

Observed-MW:42 kDa

Calculated-MW:42 kDa



Immunohistochemistry of paraffin-embedded Rat lung tissue using α-SMA Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Mouse heart tissue using α-SMA Polyclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
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Fax: 1-832-243-6017

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 (Actin, Alpha 2, Smooth Muscle, Aorta) is a Protein Coding gene. Diseases associated with ACTA2 include Multisystemic Smooth Muscle Dysfunction Syndrome and Moyamoya Disease 5. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and GPCR Pathway. GO annotations related to this gene include protein kinase binding. An important paralog of this gene is ACTG2. ACTA1 (Actin, Alpha 1, Skeletal Muscle) is a Protein Coding gene. Diseases associated with ACTA1 include Nemaline Myopathy 3, Autosomal Dominant Or Recessive and Myopathy, Congenital, With Fiber-Type Disproportion. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and GPCR Pathway. GO annotations related to this gene include structural constituent of cytoskeleton and myosin binding. An important paralog of this gene is ACTC1. ACTG2 (Actin, Gamma 2, Smooth Muscle, Enteric) is a Protein Coding gene. Diseases associated with ACTG2 include Visceral Myopathy and Chronic Intestinal Pseudoobstruction. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and GPCR Pathway. An important paralog of this gene is ACTA2.

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