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-SMA Polyclonal Antibody

Cat #: G-AB-05942

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
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

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from -SMA

Conjugation: Unconjugated

Swissprot: P62736,P68133,P63267

Calculated Molecular Weight: 42 kDa

Observed Molecular Weight: 42 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC-p,IF,ELISA

Dilution: WB 1:500-2000, IHC 1:50-300, IF 1:50-1:200, ELISA 1:10000-20000

Storage: Store at -20°C. Avoid freeze / thaw cycles.