



产品详情

α -SMA Rabbit Polyclonal Antibody

产品货号	产品名称	储存条件	保质期
IM56414	α -SMA Rabbit Polyclonal Antibody	-20℃	1 年

产品概述:

产品货号	IM56414
别名	ACTA1;ACTA;Actin, alpha skeletal muscle;Alpha-actin-1;ACTA2;ACTSA;ACTVS;GIG46;Actin, aortic smooth muscle;Alpha-actin-2;Cell growth-inhibiting gene 46 protein;ACTC1;ACTC;Actin, alpha cardiac muscle 1;Alpha-cardiac actinACTA1;ACTA;Actin, alpha skeletal muscle;Alpha-actin-1;ACTA2;ACTSA;ACTVS;GIG46;Actin, aortic smooth muscle;Alpha-actin-2;Cell growth-inhibiting gene 46 protein;ACTC1;ACTC;Actin, alpha cardiac muscle 1;Alpha-cardiac actin;ACTA2;ACTC1.
产品名称	α -SMA Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	ACTA1
蛋白名称	Actin alpha skeletal muscle/Actin aortic smooth muscle/Actin alpha cardiac muscle 1.
Clonality	Polyclonal
推荐应用	WB, IHC-P, IF-P, IF-F, IF-ICC, ELISA
反应种属	Human, Mouse, Rat
浓度	1mg/ml

存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Human Gene ID	59
Human Swissprot No.	P68133
Mouse Gene ID	11459
Mouse Swissprot No.	P68134
Rat Gene ID	29437
Rat Swissprot No.	P68136
免疫原	Synthesized peptide derived from the C-terminal region of human α -SMA.
特异性	α -SMA Polyclonal Antibody detects endogenous levels of α -SMA protein.
稀释度	WB 1:500-1:2000, IHC-P 1:100-300, ELISA 1:20000, IF-P/IF-F/IF-ICC 1:50-200.
预测分子量	42kDa
宿主	Rabbit
同种型	Rabbit, IgG
背景介绍	The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha

背景介绍	actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq, Jul 2008].
组织表达	Epithelium, Skeletal muscle
细胞定位	Cytoplasm, cytoskeleton.
功能	Disease: Defects in ACTA1 are a cause of congenital myopathy with excess of thin myofilaments (CM) [MIM:102610]. disease: Defects in ACTA1 are a cause of congenital myopathy with fiber-type disproportion (CFTD) [MIM:255310]; also known as congenital fiber-type disproportion myopathy (CFTDM). CFTD is a genetically heterogeneous disorder in which there is relative hypotrophy of type 1 muscle fibers compared to type 2 fibers on skeletal muscle biopsy. However, these findings are not specific and can be found in many different myopathic and neuropathic conditions. disease: Defects in ACTA1 are the cause of nemaline myopathy type 3 (NEM3) [MIM:161800]. Nemaline myopathy (NEM) is a form of congenital myopathy characterized by abnormal thread- or rod-like structures in muscle fibers on histologic examination. The clinical phenotype is highly variable, with differing age at onset and severity. function: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. miscellaneous: In vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell

功能	motility.similarity:Belongs to the actin family.subunit: Polymerization of globular actin(G-actin)leads to a structural filament(F-actin)in the form of a two-stranded helix.Each actin can bind to 4 others.Interacts with TTID.
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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