Actin-pan rabbit pAb

Catalog No	YP-Ab-03245
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	ACTA2 ACTSA ACTVS GIG46
Immunogen	Synthesized peptide derived from human Actin-pan
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Actin-pan
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	A26C1A;A26C1B;ACTB;ACTB_HUMAN;Actin beta;Actin cytoplasmic 1;Actin; cytoplasmic 1;N-terminally processed;Actx;b actin;Beta cytoskeletal actin;Beta-actin;BRWS1;E4323M4Rik;MGC128179;PS1TP5 binding protein 1;PS1TP5BP1; ACT;ACTBL3;FKSG3;POTE ankyrin domain family member K pseudogene; POTE2delta;POTEK;ACTG;ACTG_HUMAN;actg1;cytoplasmic 2;gamma 1; gamma 1 propeptide;gamma;BRWS2;Cytoskeletal gamma actin;Deafness; autosomal dominant 2;autosomal dominant 26;DFNA2;DFNA26;epididymis luminal protein 176;Gamma-actin;HEL-176;Actin-pan;ACTA2 ACTSA ACTVS GIG46;aortic smooth muscle (Alpha-actin-2;Cell growth-inhibiting gene 46 protein)
Observed Band	
Calculated Molecular Weight	45kDa; 42kD(Calculated).
Cell Pathway	Cytoplasm, cytoskeleton.
Tissue Specificity	
Function	disease:Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. AATs are characterized by permanent dilation of the thoracic aorta usually due to degenerative changes in the aortic wall. They are primarily associated with a characteristic histologic appearance known as

	'medial necrosis' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.,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 actin
Background	The protein 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 actin that is found in skeletal muscle. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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