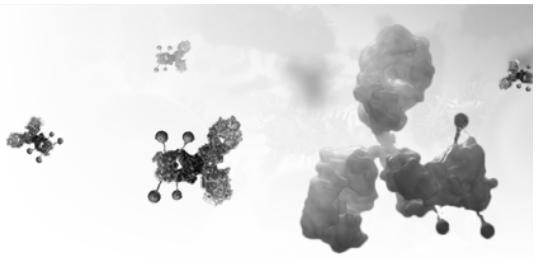

Human ACTA2 blocking peptide (CDBP2740)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Smooth muscle alpha-actin antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ACTA2 actin, alpha 2, smooth muscle, aorta [Homo sapiens (human)]
Official Symbol	ACTA2
Synonyms	ACTA2; actin, alpha 2, smooth muscle, aorta; AAT6; ACTSA; MYMY5; actin, aortic smooth

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	muscle; alpha-cardiac actin; cell growth-inhibiting gene 46 protein;
Entrez Gene ID	59
mRNA Refseq	NM_001141945.1
Protein Refseq	NP_001135417.1
UniProt ID	D2JYH4
Chromosome Location	10q23.3
Pathway	Muscle contraction, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Smooth Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Vascular smooth muscle contraction, organism-specific biosystem; Vascular smooth muscle contraction, conserved biosystem;
Function	ATP binding;

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