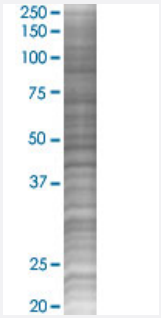
ACTA2 293T Cell Transient Overexpression Lysate(Denatured)

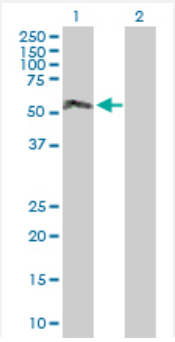
Catalog # H00000059-T02 Size 100 uL

Applications



SDS-PAGE Gel

ACTA2 transfected lysate.



Western Blot

Lane 1: ACTA2 transfected lysate (42.00 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACTA2 full-length
Host	Human
Theoretical MW (kDa)	42
Interspecies Antigen Sequence	Mouse (100); Rat (100)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ACTA2 antibody (H00000059-B01) by Western Blots. SDS-PAGE Gel ACTA2 transfected lysate. Western Blot Lane 1: ACTA2 transfected lysate (42.00 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ACTA2

Entrez GeneID	59
GeneBank Accession#	NM_001613.1
Protein Accession#	NP_001604.1
Gene Name	ACTA2
Gene Alias	AAT6, ACTSA
Gene Description	actin, alpha 2, smooth muscle, aorta
Omim ID	102620
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000020042|alpha 2 actin|alpha-cardiac actin|growth-inhibiting gene 46

Pathway

- Vascular smooth muscle contraction

Disease

- Alzheimer Disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease