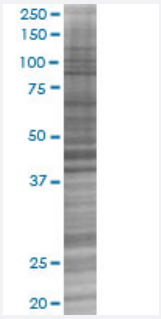
SMAD6 293T Cell Transient Overexpression Lysate(Denatured)

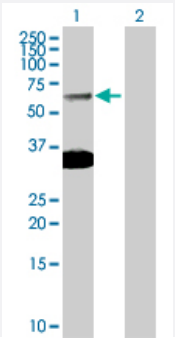
Catalog # H00004091-T02 Size 100 uL

Applications



SDS-PAGE Gel

SMAD6 transfected lysate.



Western Blot

Lane 1: SMAD6 transfected lysate (53.50 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SMAD6 full-length
Host	Human
Theoretical MW (kDa)	53.5
Interspecies Antigen Sequence	Mouse (92)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-SMAD6 antibody (H00004091-D01P) by Western Blots. SDS-PAGE Gel SMAD6 transfected lysate. Western Blot Lane 1: SMAD6 transfected lysate (53.50 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 — SMAD6

Entrez GeneID	4091
GeneBank Accession#	NM_005585.3
Protein Accession#	NP_005576.3
Gene Name	SMAD6
Gene Alias	HsT17432, MADH6, MADH7
Gene Description	SMAD family member 6
Omim ID	602931
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants encoding different isoforms have been found for this gene
Other Designations	MAD (mothers against decapentaplegic, Drosophila) homolog 6|MAD, mothers against decapentaplegic homolog 6|Mothers against decapentaplegic, drosophila, homolog of, 6|SMAD, mothers against DPP homolog 6

Pathway

- TGF-beta signaling pathway

Disease

- Anemia
- Bacteremia
- Colorectal Neoplasms
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hypertension
- Keloid
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder