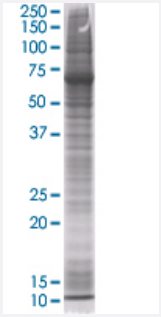
MAP3K3 293T Cell Transient Overexpression Lysate(Denatured)

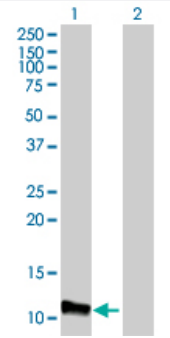
Catalog # H00004215-T01 Size 100 uL

Applications



SDS-PAGE Gel

MAP3K3 transfected lysate



Western Blot

Lane 1: MAP3K3 transfected lysate (10.01 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MAP3K3 full-length
Host	Human
Theoretical MW (kDa)	10.01
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-MAP3K3 antibody (H00004215-B01) by W estern Blots. SDS-PAGE Gel MAP3K3 transfected lysate Western Blot Lane 1: MAP3K3 transfected lysate (10.01 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 — MAP3K3

Entrez GeneID	4215
GeneBank Accession#	BC010464
Protein Accession#	AAH10464
Gene Name	MAP3K3
Gene Alias	MAPKKK3, MEKK3
Gene Description	mitogen-activated protein kinase kinase kinase 3
Omim ID	602539
Gene Ontology	Hyperlink
Gene Summary	This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse Mekk3. Its catalytic domain is closely related to those of several other kinases, including mouse Mekk2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed. This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFKB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq
Other Designations	MAP/ERK kinase kinase 3|MAPK/ERK kinase kinase 3

Pathway

- GnRH signaling pathway
- MAPK signaling pathway

- Neurotrophin signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema