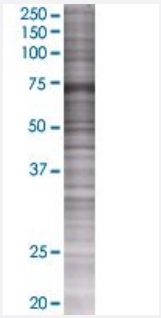
LIMK1 293T Cell Transient Overexpression Lysate(Denatured)

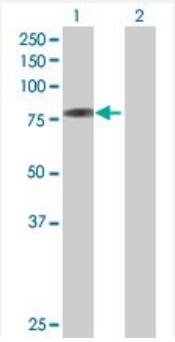
Catalog # H00003984-T01 Size 100 uL

Applications



SDS-PAGE Gel

LIMK1 transfected lysate.



Western Blot

Lane 1: LIMK1 transfected lysate (71.17 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-LIMK1 full-length
Host	Human
Theoretical MW (kDa)	71.17
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-LIMK1 antibody (H00003984-B01) by Western Blots. SDS-PAGE Gel LIMK1 transfected lysate. Western Blot Lane 1: LIMK1 transfected lysate (71.17 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 — LIMK1

Entrez GeneID	3984
GeneBank Accession#	BC152982
Protein Accession#	AAI52983.1
Gene Name	LIMK1
Gene Alias	LIMK
Gene Description	LIM domain kinase 1
Omim ID	601329
Gene Ontology	Hyperlink
Gene Summary	There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. LIMK1 is likely to be a component of an intracellular signaling pathway and may be involved in brain development. LIMK1 hemizygosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. [provided by RefSeq
Other Designations	LIM motif-containing protein kinase|OTTHUMP00000025066

Pathway

- Axon guidance
- Fc gamma R-mediated phagocytosis

- Regulation of actin cytoskeleton

Disease

- Brain Ischemia
- Cerebral Hemorrhage
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Intracranial Aneurysm
- Metabolic Syndrome X
- Renal Insufficiency
- Stroke
- Werner syndrome