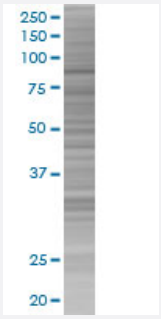
CALD1 293T Cell Transient Overexpression Lysate(Denatured)

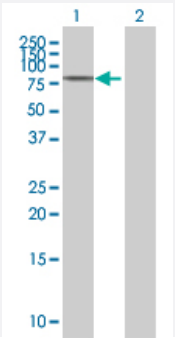
Catalog # H00000800-T01 Size 100 uL

Applications



SDS-PAGE Gel

CALD1 transfected lysate.



Western Blot

Lane 1: CALD1 transfected lysate (62.7 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CALD1 full-length
Host	Human
Theoretical MW (kDa)	62.7
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CALD1 antibody (H00000800-B01) by We stern Blots. SDS-PAGE Gel CALD1 transfected lysate. Western Blot Lane 1: CALD1 transfected lysate (62.7 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 — CALD1

Entrez GeneID	800
GeneBank Accession#	NM_004342.5
Protein Accession#	-
Gene Name	CALD1
Gene Alias	CDM, H-CAD, L-CAD, MGC21352, NAG22
Gene Description	caldesmon 1
Omim ID	114213
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq
Other Designations	-

Pathway

- Vascular smooth muscle contraction

Disease

- Diabetes Mellitus
- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Tobacco Use Disorder