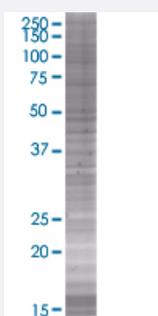


DIAPH1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001729-T01

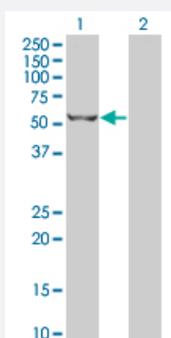
Size 100 uL

Applications



SDS-PAGE Gel

DIAPH1 transfected lysate



Western Blot

Lane 1: DIAPH1 transfected lysate (44.44 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DIAPH1 full-length
Host	Human
Theoretical MW (kDa)	44.44
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Quality Control Testing	<p>Transient overexpression cell lysate was tested with Anti-DIAPH1 antibody (H00001729-B01) by Western Blots.</p> <p>SDS-PAGE Gel</p> <p>DIAPH1 transfected lysate</p> <p>Western Blot</p> <p>Lane 1: DIAPH1 transfected lysate (44.44 KDa).</p> <p>Lane 2: Non-transfected lysate.</p>
--------------------------------	---

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 — DIAPH1

Entrez GeneID	1729
----------------------	----------------------

GeneBank Accession#	BC007411
----------------------------	--------------------------

Protein Accession#	AAH07411
---------------------------	--------------------------

Gene Name	DIAPH1
------------------	--------

Gene Alias	DFNA1, DIA1, DRF1, FLJ25265, LFHL1, hDIA1
-------------------	---

Gene Description	diaphanous homolog 1 (Drosophila)
-------------------------	-----------------------------------

Omim ID	124900 602121
----------------	-------------------------------

Gene Ontology	Hyperlink
----------------------	---------------------------

Gene Summary	<p>This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]</p>
---------------------	--

Other Designations	OTTHUMP00000195047 OTTHUMP00000195048 diaphanous 1 diaphanous-1 diaphanous-related formin 1
---------------------------	---

Pathway

- [Focal adhesion](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)