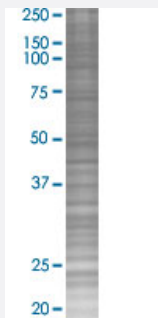


DIAPH1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001729-T02

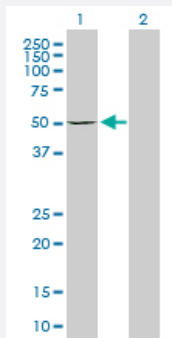
Size 100 uL

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

Transient overexpression cell lysate was tested with Anti-DIAPH1 antibody ([H00001729-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 DIAPH1 transfected lysate.
 Western Blot
 Lane 1: DIAPH1 transfected lysate (44.44 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 — DIAPH1

Entrez GeneID

[1729](#)

GeneBank Accession#

[BC007411.1](#)

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

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]

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](#)