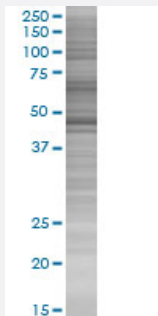


NEIL1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00079661-T01

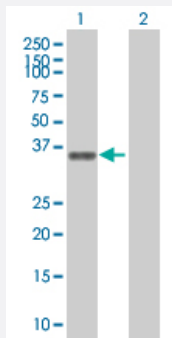
Size 100 uL

Applications



SDS-PAGE Gel

NEIL1 transfected lysate.



Western Blot

Lane 1: NEIL1 transfected lysate (43.7 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-NEIL1 full-length
Host	Human
Theoretical MW (kDa)	43.7
Interspecies Antigen Sequence	Mouse (79); Rat (78)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-NEIL1 antibody ([H00079661-B01](#)) by Western Blots.
 SDS-PAGE Gel
 NEIL1 transfected lysate.
 Western Blot
 Lane 1: NEIL1 transfected lysate (43.7 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 — NEIL1

Entrez GeneID

[79661](#)

GeneBank Accession#

[BC010876.1](#)

Protein Accession#

-

Gene Name

NEIL1

Gene Alias

FLJ22402, FPG1, NEI1, hFPG1

Gene Description

nei endonuclease VIII-like 1 (E. coli)

Omim ID

[608844](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

NEIL1 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226]).[supplied by OMIM]

Other Designations

endonuclease VIII|nei endonuclease VIII-like 1

Pathway

- [Base excision repair](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Bile Duct Neoplasms](#)
- [Carcinoma](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Colon cancer](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Oropharyngeal Neoplasms](#)