

# NEIL3 rabbit monoclonal antibody

Catalog # H00055247-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human NEIL3 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human NEIL3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human NEIL3 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — NEIL3

Entrez GeneID [55247](#)

GeneBank Accession# [NEIL3](#)

Gene Name NEIL3

Gene Alias FGP2, FLJ10858, FPG2, NEI3, hFPG2, hNEI3

Gene Description nei endonuclease VIII-like 3 (E. coli)

Omim ID [608934](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** NEIL3 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** DNA glycosylase hFPG2|nei endonuclease VIII-like 3

## Pathway

- [Base excision repair](#)

## Disease

- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Colon cancer](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Werner syndrome](#)