

NEIL1 rabbit monoclonal antibody

Catalog # H00079661-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NEIL1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NEIL1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human NEIL1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	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) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — NEIL1

Entrez GeneID	79661
GeneBank Accession#	NEIL1
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](#)