

Rabbit anti-Human, Mouse NEIL3 Polyclonal Antibody | anti-NEIL3 antibody

NEIL3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324713	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

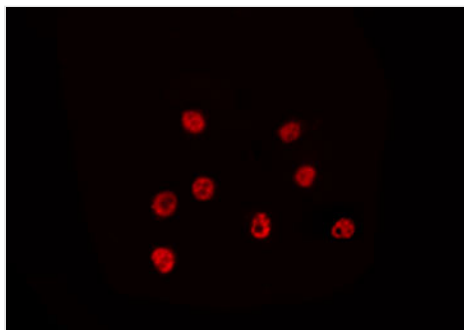
PRODUCT SYNONYMS

NEIL3; Polyclonal Antibody; NEIL3 Antibody; 123; AI449477; BC034753; C85903; DNA glycosylase FPG2; DNA glycosylase hFPG2; DNA glycosylase/AP lyase Neil3; EC 3.2.2.-; EC 4.2.99.18; Endonuclease 8-like 3; Endonuclease VIII-like 3; FGP2; FLJ10858; FPG2; hFPG2; hNEI3; MGC27861; MGC36916; Nei endonuclease VIII-like 3 (E. coli); nei endonuclease VIII-like 3; Nei like 3 (E. coli); Nei-like protein 3; NEIL3_HUMAN; OTTHUMP00000218810; RGD1310562; anti-NEIL3 antibody

PRODUCT SPECIFICATIONS

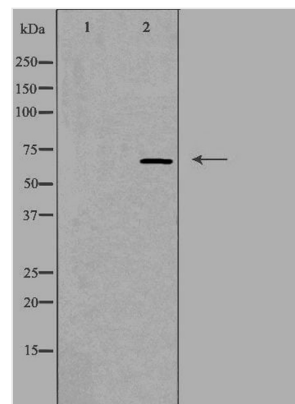
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NEIL3 antibody detects endogenous levels of total NEIL3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	605
Applicable Applications for anti-NEIL3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NEIL3, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324713 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from COLO cells using NEIL3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NEIL3 antibody	Function: DNA glycosylase which prefers single-stranded DNA (ssDNA), or partially ssDNA structures such as bubble and fork structures, to double-stranded DNA (dsDNA). In vitro, displays strong glycosylase activity towards the hydantoin lesions spiroiminodihydantoin (Sp) and guanidinohydantoin (Gh) in both ssDNA and dsDNA; also recognizes FapyA, FapyG, 5-OHU, 5-OHC, 5-OHMH, Tg and 8-oxoA lesions in ssDNA. No activity on 8-oxoG detected. Also shows weak DNA-(apurinic or apyrimidinic site) lyase activity. In vivo, appears to be the primary enzyme involved in removing Sp and Gh from ssDNA in neonatal tissues. Seems to be an important facilitator of cell proliferation in certain populations, for example neural stem/progenitor cells and tumor cells, suggesting a role in replication-associated DNA repair. Similarity: The N-terminal region (2-281) contains the glycosylase and lyase activities. Belongs to the FPG family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	157388969
NCBI GeneID	55247
NCBI Accession #	NP_060718.2
NCBI GenBank Nucleotide #	NM_018248.2
UniProt Accession #	Q8TAT5; Q2PPJ3; Q8NG51; Q9NV95
Molecular Weight	Predicted 68KD
NCBI Official Full Name	endonuclease 8-like 3
NCBI Official Synonym Full Names	nei like DNA glycosylase 3
NCBI Official Symbol	NEIL3
NCBI Official Synonym Symbols	FGP2; FPG2; NEI3; ZGRF3; hFPG2; hNEI3
NCBI Protein Information	endonuclease 8-like 3
UniProt Protein Name	Endonuclease 8-like 3
UniProt Gene Name	NEIL3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/neil3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324713>