

Rabbit anti-Human NEIL1 Polyclonal Antibody | anti-NEIL1 antibody

NEIL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324712	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

NEIL1; Polyclonal Antibody; NEIL1 Antibody; DNA (apurinic or apyrimidinic site) lyase Neil1; DNA glycosylase/AP lyase Neil 1; DNA glycosylase/AP lyase Neil1; DNA- (apurinic or apyrimidinic site) lyase Neil1; Endonuclease 8 like 1; Endonuclease 8-like 1; Endonuclease VIII; Endonuclease VIII like 1; Endonuclease VIII-like 1; FLJ22402; FPG1; hFPG1; NEH 1; NEH1; NEI 1; Nei endonuclease VIII like 1 (E. coli); Nei endonuclease VIII like 1; Nei homolog 1; Nei like 1; Nei like protein 1; Nei-like protein 1; NEI1; NEIL 1; Neil1; NEIL1_HUMAN; anti-NEIL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	NEIL1 Antibody detects endogenous levels of total NEIL1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NEIL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NEIL1,corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using NEIL1 antibody.



IF (Immunofluorescence)

AAA324712 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NEIL1 antibody	Function: Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Acts as DNA glycosylase that recognizes and removes damaged bases. Has a preference for oxidized pyrimidines, such as thymine glycol, formamidopyrimidine (Fapy) and 5-hydroxyuracil. Has marginal activity towards 8-oxoguanine. Has AP (apurinic/aprimidinic) lyase activity and introduces nicks in the DNA strand. Cleaves the DNA backbone by beta-delta elimination to generate a single-strand break at the site of the removed base with both 3'-and 5'-phosphates. Has DNA glycosylase/lyase activity towards mismatched uracil and thymine, in particular in U:C and T:C mismatches. Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC. Similarity: Belongs to the FPG family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	375065857
NCBI GeneID	79661
NCBI Accession #	NP_001243481.1
NCBI GenBank Nucleotide #	NM_001256552.1
UniProt Accession #	Q96FI4; Q6ZRA7; Q86XW7; Q9H6C3; D3DW75
Molecular Weight	44 KD
NCBI Official Full Name	endonuclease 8-like 1 isoform 1
NCBI Official Synonym Full Names	nei like DNA glycosylase 1
NCBI Official Symbol	NEIL1
NCBI Official Synonym Symbols	FPG1; NEI1; hFPG1
NCBI Protein Information	endonuclease 8-like 1
UniProt Protein Name	Endonuclease 8-like 1
UniProt Gene Name	NEIL1
UniProt Synonym Gene Names	NEH1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/neil1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324712>