

**NEIL1 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS12193****Specification**

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**NEIL1 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q96FI4</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	44kDa KDa

**NEIL1 Antibody (C-Terminus) - Additional Information****Gene ID** 79661**Other Names**

Endonuclease 8-like 1, 3.2.2.-, 4.2.99.18, DNA glycosylase/AP lyase Neil1, DNA-(apurinic or apyrimidinic site) lyase Neil1, Endonuclease VIII-like 1, FPG1, Nei homolog 1, NEH1, Nei-like protein 1, NEIL1

**Target/Specificity**

Human NEIL1.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

NEIL1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**NEIL1 Antibody (C-Terminus) - Protein Information****Name** NEIL1**Function**

Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Acts as a 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/apyrimidinic) 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.

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Chromosome.  
Note=During mitosis, associates with centrosomes and condensed chromatin

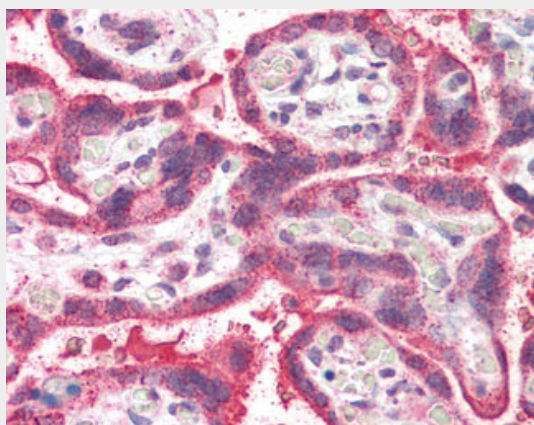
**Tissue Location**

Ubiquitous..

**NEIL1 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NEIL1 Antibody (C-Terminus) - Images**

Anti-NEIL1 antibody IHC of human placenta.

**NEIL1 Antibody (C-Terminus) - Background**

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**NEIL1 Antibody (C-Terminus) - References**

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Ota T., et al. Nat. Genet. 36:40-45(2004).  
Zody M.C., et al. Nature 440:671-675(2006).

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