

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

NEIL1 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	Q96FI4
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

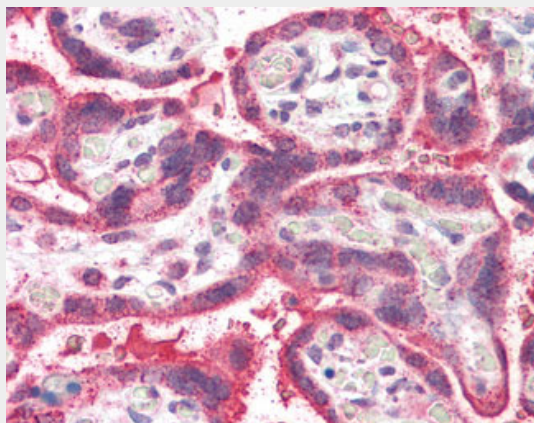
Tissue Location

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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Zody M.C., et al. Nature 440:671-675(2006).

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