

NEIL1 Polyclonal Antibody
Catalog # AP71213**Specification**

NEIL1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q96FI4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

NEIL1 Polyclonal Antibody - Additional Information**Gene ID** 79661**Other Names**

NEIL1; Endonuclease 8-like 1; 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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

NEIL1 Polyclonal Antibody - 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

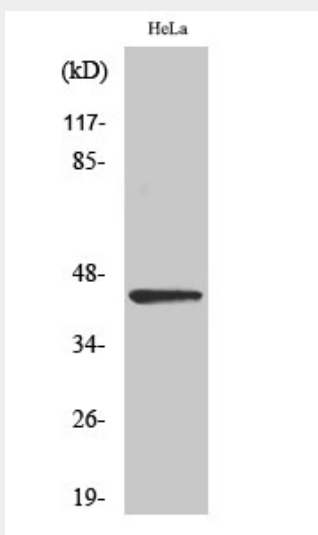
Ubiquitous..

NEIL1 Polyclonal Antibody - Protocols

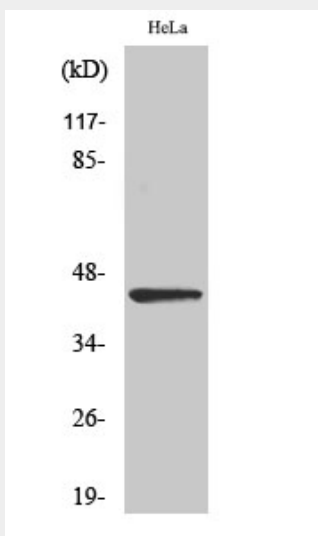
Provided below are standard protocols that you may find useful for product applications.

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

NEIL1 Polyclonal Antibody - Images



Western Blot analysis of various cells using NEIL1 Polyclonal Antibody



Western Blot analysis of various cells using NEIL1 Polyclonal Antibody

NEIL1 Polyclonal Antibody - Background

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