

anti- NEIL1 antibody

Product Information

Catalog No.:	FNab05648
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	nei endonuclease VIII-like 1(E. coli)
Synonyms:	DNA glycosylase/AP lyase Neil1, Endonuclease 8 like 1, Endonuclease VIII like 1, FPG1, hFPG1, NEH1, Nei homolog 1, Nei like protein 1, NEI1, NEIL1
Observed MW:	44kd
Uniprot ID :	Q96FI4

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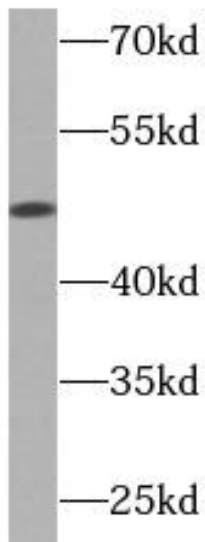
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:1000

Image:



A375 cells were subjected to SDS PAGE followed by western blot with FNab05648(NEIL1 antibody) at dilution of 1:300

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