NEIL3 antibody

Product Information

Catalog No.:	FNab05649
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℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

DNA glycosylase which prefers single-stranded DNA(ssDNA), or partially ssDNA structures such as bubble and fork structures, to double-stranded DNA(dsDNA). In vitro, displays strong glycosylase activity towards the hydantoin lesions spiroiminodihydantoin(Sp) and guanidinohydantoin(Gh) in both ssDNA and dsDNA; also recognizes FapyA, FapyG, 5-OHU, 5-OHC, 5-OHMH, Tg and 8-oxoA lesions in ssDNA. No activity on 8-oxoG detected. Also shows weak DNA-(apurinic or apyrimidinic site) lyase activity. In vivo, appears to be the primary enzyme involved in removing Sp and Gh from ssDNA in neonatal tissues. Seems to be an important facilitator of cell proliferation in certain populations, for example neural stem/progenitor cells and tumor cells, suggesting a role in replication-associated DNA repair.

Immunogen information

Immunogen:	nei endonuclease VIII-like 3(E. coli)
Synonyms:	Endonuclease 8-like 3|DNA glycosylase FPG2|DNA glycosylase/AP lyase Neil3|Endonuclease VIII-like 3|Nei-like protein 3|NEIL3
Observed MW:	62-68 kDa
Uniprot ID :	Q8TAT5

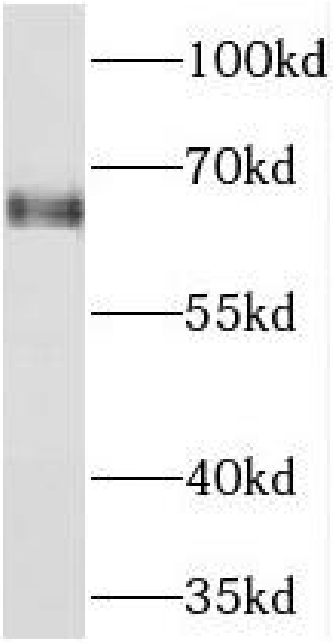
Application

Reactivity:	Human, Mouse

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab05649(NEIL3 antibody) at dilution of 1:500