

NEIL3 Polyclonal Antibody

Catalog number: 11621-1-AP

Size: 53 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

NEIL3; DNA glycosylase FPG2,

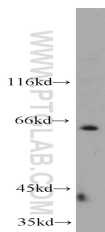
DNA glycosylase/AP lyase

Neil3, Endonuclease 8 like 3,

Endonuclease VIII like 3, FPG2,

FLJ10858, FPG2, hFPG2, hNEI3,

Nei like protein 3, NEI3, NEIL3



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11621-1-AP (NEIL3 antibody) at dilution of 1:500

Background

NEIL3 belongs to the FPG family. It is a functional DNA glycosylase in vitro and in vivo. NEIL3 plays a role in repairing FapyG in vivo. (PMID:20185759) NEIL3 has AP lyase activity specific for single-stranded DNA. (PMID:19170771). NEIL3 is specifically expressed in brain areas where neurogenesis takes place during development and that its expression is tightly regulated both temporally and spatially. (PMID:19426544)

Read more about this antibody on the blog:

<http://blog.ptglab.com/index.php/proteintechs-anti-neil3-antibody-used-investigate-mechanisms-of-dna-repair/?preview=true>

Applications

| | |
|-------------------------|---|
| Tested applications: | ELISA, WB |
| Cited applications: | IP, WB |
| Species specificity: | Human, Mouse; other species not tested. |
| Cited species: | Human |
| Calculated NEIL3 MW: | 605aa, 68 kDa |
| Observed NEIL3 MW: | 62-68 kDa |
| Positive WB detected in | HEK-293 cells, A431 cells, human skin tissue, mouse skin tissue |
| Recommended dilution: | WB: 1:200-1:2000 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

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|---------------------------|--|
| Immunogen: | Ag2200 |
| GenBank accession number: | BC025954 |
| Gene ID (NCBI): | 55247 |
| Full name: | Nei endonuclease VIII-like 3 (E. coli) |

Product information

| | |
|----------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |