

## NEIL3 polyclonal antibody

Catalog: BS61905

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

NEIL1, NEIL2 and NEIL3, also known as endonuclease VIII-like 1, 2 and 3 or DNA-(apurinic or apyrimidinic site) lyase NEIL 1, 2 and 3, are nuclear proteins involved in the repair of DNA damaged by oxidation. The NEIL proteins belong to the FPG family. They act as DNA glycosylases that can recognize and remove damaged bases, leaving an abasic site. NEIL3, however, lacks the proline residue at the N-terminus which acts as the active site residue found in NEIL1 and NEIL2. Thus, reports of NEIL3 DNA glycosylase activity are contradictory. NEIL3 localizes to the nucleus and only demonstrates expression in thymus and testis tissues. The deduced 605 amino acid NEIL3 protein contains one FPG-type zinc finger and one RanBP2-type zinc finger.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 67 kDa

### Swiss-Prot:

Q8TAT5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

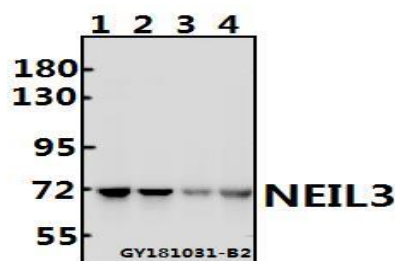
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

NEIL3 polyclonal antibody detects endogenous levels of NEIL3 protein.

### DATA:



Western blot (WB) analysis of NEIL3 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:H1792 whole cell lysate(40ug)

Lane3:The Thymus tissue lysate of Rat(40ug)

Lane4:The Testis tissue lysate of Mouse(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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