

NEIL1 polyclonal antibody

Catalog: BS62370

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 of proteins. 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. NEIL1 is a ubiquitously expressed protein that is upregulated during S phase. NEIL2 is expressed primarily in testis, heart, skeletal muscle, placenta, brain, kidney and liver while NEIL3 is detected primarily in thymus and testis.

Product:

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

Molecular Weight:

~ 47 kDa

Swiss-Prot:

Q96FI4

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

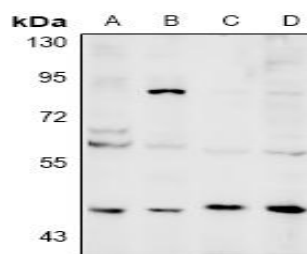
Storage&Stability:

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

Specificity:

NEIL1 polyclonal antibody detects endogenous levels of NEIL1 protein.

DATA:



Western blot (WB) analysis of NEIL1 polyclonal antibody at 1:500 dilution

LaneA:PC12 whole cell lysate

LaneB:AML-12 whole cell lysate

LaneC:MCF-7 whole cell lysate

LaneD:A549 whole cell lysate

Note:

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

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