

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NEIL1



Numéro de catalogue: 12145-1-AP

Phare

9 Publications

Informations de base

Numéro de catalogue: 12145-1-AP	Numéro d'acquisition GenBank: BC010876	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 400 µg/ml by Nanodrop;	Identification du gène (NCBI): 79661	Dilutions recommandées: WB 1:500-1:3000
Hôte: Lapin	Nom complet: nei endonuclease VIII-like 1 (E. coli)	
Isotype: IgG	MW calculé: 390 aa, 44 kDa	
Immunogen Catalog Number: AG2793	MW observés: 44 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HeLa, cellules MCF-7
Demandes citées: IHC, WB	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: Humain, rat	

Informations générales

NEIL1, also named as NEH1 and FPG1, belongs to the FPG family. It is involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. NEIL1 acts as DNA glycosylase that recognizes and removes damaged bases. It has a preference for oxidized pyrimidines, such as thymine glycol, formamidopyrimidine (Fapy) and 5-hydroxyuracil. NEIL1 has marginal activity towards 8-oxoguanine. It has AP (apurinic/apyrimidinic) lyase activity and introduces nicks in the DNA strand. It 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. NEIL1 has DNA glycosylase/lyase activity towards mismatched uracil and thymine, in particular in U:C and T:C mismatches. The increased BER activity of NEILs may represent an adaptive response against ROS-induced DNA damage resulting from aniline exposure, and could be an important mechanism for the removal of oxidative DNA lesions. (PMID:21145906)

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>

Publications notables

Autrice	Pubmed ID	Journal	Application
Alisa Petriina Olkinuora	36387175	Front Oncol	WB
Xueqing Zou	29717121	Nat Commun	WB
Feng Ye	32198476	Sci Rep	WB

Stockage

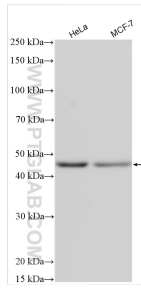
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 12145-1-AP (NEIL1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.