

产品名称: NEIL2 Rabbit Polyclonal Antibody
产品货号: APRab14546



产品概述 (Summary)

产品名称 (Production Name)	NEIL2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NEIL2
别名 (Alternative Names)	
基因 ID (Gene ID)	252969.0
蛋白 ID (SwissProt ID)	Q969S2.Synthesized peptide derived from part region of human protein

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	36kDa

研究背景 (Background)

NEIL2 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand

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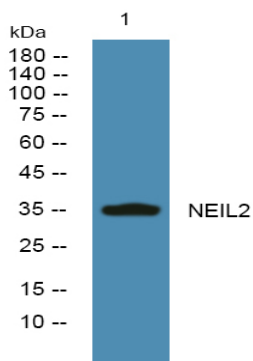


break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226])[supplied by OMIM, Mar 2008], catalytic activity: Removes damaged bases from DNA, leaving an abasic site., catalytic activity: The C-O-P bond 3' to the apurinic or apyrimidinic site in DNA is broken by a beta-elimination reaction, leaving a 3'-terminal unsaturated sugar and a product with a terminal 5'-phosphate., domain: The zinc-finger domain is important for DNA binding., enzyme regulation: Acetylation of Lys-50 leads to loss of DNA nicking activity. Acetylation of Lys-154 has no effect., function: Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Has DNA glycosylase activity towards 5-hydroxyuracil and other oxidized derivatives of cytosine with a preference for mismatched double stranded DNA (DNA bubbles). Has low or no DNA glycosylase activity towards thymine glycol, 2-hydroxyadenine, hypoxanthine and 8-oxoguanine. Has AP (apurinic/apyrimidinic) lyase activity and introduces nicks in the DNA strand. 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., similarity: Belongs to the FPG family., similarity: Contains 1 FPG-type zinc finger., subunit: Binds EP300., tissue specificity: Detected in testis, skeletal muscle, heart, brain, placenta, lung, pancreas, kidney and liver.,

研究领域 (Research Area)

Base excision repair;

图片 (Image Data)



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night

注意事项 (Note)

For research use only .