

核酸内切酶 8 样蛋白 1 抗体

产品货号： mIR19192

英文名称： NEIL1

中文名称： 核酸内切酶 8 样蛋白 1 抗体

别 名： DNA (apurinic or apyrimidinic site) lyase Neil1; DNA glycosylase/AP lyase Neil 1; DNA glycosylase/AP lyase Neil1; DNA-(apurinic or apyrimidinic site) lyase Neil1; Endonuclease 8 like 1; Endonuclease 8-like 1; endonuclease VIII; Endonuclease VIII like 1; Endonuclease VIII-like 1; FLJ22402; FPG1; hFPG1; NEH 1; NEH1; NEI 1; Nei endonuclease VIII like 1 (E. coli); nei endonuclease VIII like 1; Nei endonuclease VIII like 1; Nei homolog 1; Nei like 1; Nei like protein 1; Nei-like protein 1; NEI1; NEIL 1; Neil1; NEIL1_HUMAN.

研究领域： 细胞生物 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 44kDa

细胞定位： 细胞核

性 状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human NEIL1:51-150/390

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : This gene is a member of the Nei endonuclease VIII-like gene family which encodes DNA glycosylases. The encoded enzyme participates in the DNA repair pathway by initiating base excision repair by removing damaged bases, primarily oxidized pyrimidines. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Function:

Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Acts as DNA glycosylase that recognizes and removes damaged bases. Has a preference for oxidized pyrimidines, such as thymine glycol, formamidopyrimidine (Fapy) and 5-hydroxyuracil. Has marginal activity towards 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. Has DNA glycosylase/lyase activity towards mismatched uracil and thymine, in particular in U:C and T:C mismatches.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the FPG family.

SWISS:

Q96FI4

Gene ID:

79661

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.