



NEIL3 Polyclonal Antibody

Catalog No	BYab-01893
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	NEIL3
Protein Name	Endonuclease 8-like 3
Immunogen	The antiserum was produced against synthesized peptide derived from human NEIL3. AA range:491-540
Specificity	NEIL3 Polyclonal Antibody detects endogenous levels of NEIL3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NEIL3; Endonuclease 8-like 3; DNA glycosylase FPG2; DNA glycosylase/AP lyase Neil3; Endonuclease VIII-like 3; Nei-like protein 3
Observed Band	35kD
Cell Pathway	Nucleus . Chromosome . Recruited to replication stress sites via interaction with ubiquitinated CMG helicase. .
Tissue Specificity	Expressed in keratinocytes and embryonic fibroblasts (at protein level). Also detected in thymus, testis and fetal lung primary fibroblasts.
Function	function:Reports about DNA glycosylase activity are contradictory. The protein lacks a proline residue at the N-terminus that is the active site residue found in the other members of the FPG family.,similarity:Belongs to the FPG family.,similarity:Contains 1 FPG-type zinc finger.,similarity:Contains 1 RanBP2-type zinc finger.,tissue specificity:Detected in thymus and testis.,
Background	NEIL3 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 break via the associated lyase reaction (Bandaru et al., 2002 [PubMed

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12509226)].[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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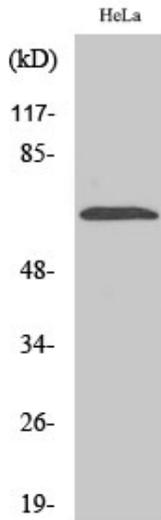
网址: www.njbybio.com

官方热线: 025-5229-8998

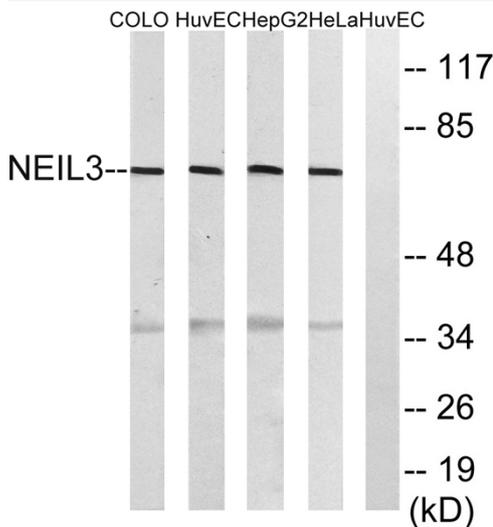
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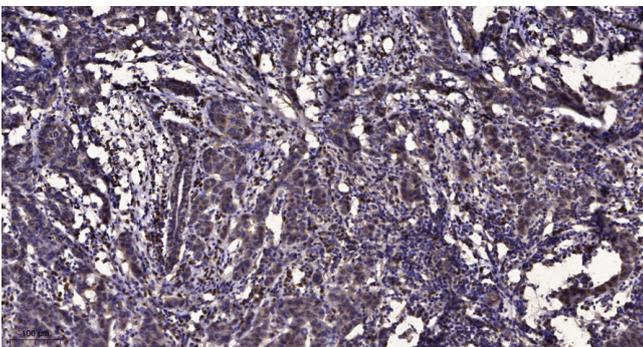
Products Images



Western Blot analysis of various cells using NEIL3 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from HeLa, HepG2, HUVEC, and COLO cells, using NEIL3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).