

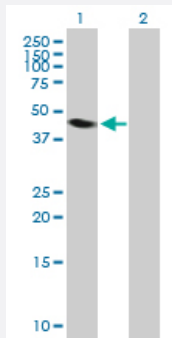
MaxPab®

NEIL1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00079661-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NEIL1 expression in transfected 293T cell line ([H00079661-T01](#)) by NEIL1 MaxPab polyclonal antibody.

Lane 1: NEIL1 transfected lysate(42.9 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human NEIL1 protein.
Immunogen	NEIL1 (AAH10876.1, 1 a.a. ~ 390 a.a) full-length human protein.
Sequence	MPEGPELHLASQFVNEACRALVFGGCVKSSVSRNPEVPFESSAYRISASARGKELRLILSPLPG AQPQQEPLALVFRFGMSGFQLVPREELPRHAHLRFYTAPPGPRLALCFVDIRRFGRWDLGGK WQPGRGPCVLQEYQQFRENVLRLNADKAFDRPICEALLDQRRFFNGIGNYLRAEILYRLKIPFEKA RSVLEALQQHRPSPELTLSQKIRTKLQNPDLLELCHSVPKEVVQLGGRGYGSESGEEDFAAFRA WLRCYGMPGMSSLQDRHGRTIWFQGDGPGPLAPKGRKSRKKKSKATQLSPEDRVEDALPPSKA PSRTRRAKRDLPKRTATQRPEGTSLQQDPEAPTVPKKGRRKGRQAASGHCRPRKVKADIPSLEP EGTSAS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — NEIL1

Entrez GeneID [79661](#)

GeneBank Accession# [BC010876.1](#)

Protein Accession# [AAH10876.1](#)

Gene Name NEIL1

Gene Alias FLJ22402, FPG1, NEI1, hFPG1

Gene Description nei endonuclease VIII-like 1 (E. coli)

Omim ID [608844](#)

Gene Ontology [Hyperlink](#)

Gene Summary NEIL1 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 12509226]).[supplied by OMIM]

Other Designations endonuclease VIII|nei endonuclease VIII-like 1

Pathway

- [Base excision repair](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Bile Duct Neoplasms](#)
- [Carcinoma](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Colon cancer](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Oropharyngeal Neoplasms](#)