

Goat anti-NEIL1 / NEH1 Antibody

Item Number	dAP-0381
Target Molecule	Principle Name: NEIL1 / NEH1; Official Symbol: NEIL1; All Names and Symbols: NEIL1; NEH1; nei endonuclease VIII-like 1 (E. coli); NEI1; FLJ22402; endonuclease VIII; FPG1; hFPG1; nei endonuclease VIII-like 1; Accession Number (s): NP_078884.2; Human Gene ID(s): 79661; Non-Human GeneID(s):
Immunogen	DIPSLEPEGTSAS, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Preliminary experiments gave an approx 60kDa band in Human Liver and Brain lysates at 1ug/ml. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 43.7kDa according
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows strong staining of cytoplasm in syncytiotrophoblasts. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Hazra TK, Izumi T, Boldogh I, Imhoff B, Kow YW, Jaruga P, Dizdaroglu M, Mitra S. Identification and characterization of a human DNA glycosylase for repair of modified bases in oxidatively damaged DNA. Proc Natl Acad Sci U S A. 2002 Mar 19;99(6):3523-8..PMID: 11904416 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**