

Anti-NEI3 Antibody

ORDERING INFORMATION

Catalog No.: 12523

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Prokaryotes and lower eukaryotes possess redundant activities that remove the oxidative DNA base damages produced during normal oxidative metabolism and which have been associated with cancer and aging. Thus far, only one oxidized pyrimidine-specific DNA glycosylase has been identified in humans, hNthl. NEI3 is one of three new putative human DNA glycosylases.

BACKGROUND REFERENCE

Bandaru V et al. (2002) DNA Repair 1:517-29.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 164-177 (LRAESEVKKQKGRMLG) of human NEI3 conjugated to KLH at the C-terminus.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human NEI3 protein. Sequence homology to mouse and rat is 85%.

APPLICATIONS

Immunoblotting: use at 1:500 dilution. A band of approximately 68 kDa is detected.

Positive control: human testes tissue lysate.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.