

Anti-DNase II (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2059

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

BACKGROUND

DNase II causes both chromatin condensation and DNA fragmentation. The genes encoding human, porcine, and murine DNase II have been cloned. The DNase II gene encodes a 40kDa proenzyme. The mature enzyme consists of two non-identical subunits, the 32kDa (α) and 12 kDa (β) chains, generated by proteolytic processing. Overexpression of DNase II induces chromatin condensation. DNase II is ubiquitously expressed in human tissues.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 347-360 of human DNase II precursor (accession no. AF047016).

Host Species: Rabbit

Stabilizers: None

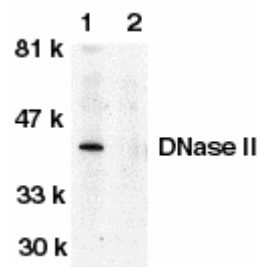
Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes the proenzyme of human DNase II (40kDa).

APPLICATIONS

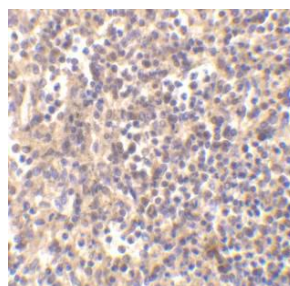
Immunoblotting: use at 1ug/ml.



Western blot analysis of DNase II in human spleen tissue lysate in the absence (lane 1) or presence (lane 2) of blocking peptide with DNase II antibody at 1 μ g/ml.

Positive control: Tissue lysate of human spleen.

Immunohistochemistry: use at 5ug/ml.



Immunohistochemical staining of DNase II in human spleen with DNase II antibody at 5 μ g/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

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.

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