

Product: Anti-DNase II (CT)
Catalog #: 12-2059
Amount: 25 mg

CATEGORY:
DESCRIPTION:

Rabbit Polyclonal

Apoptosis is characterized by several morphological nuclear changes including chromatin condensation and nuclear fragmentation. These changes are triggered by the activation of members of caspase family, caspase activated DNase, and several novel proteins including AIF and Acinus. DNaseII 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 40 kDa 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.

FORM:
IMMUNOGEN:

Purified Ig fraction in PBS containing 0.02% Sodium Azide
A peptide corresponding to amino acids 347 to 360 of human Dnase II precursor.

APPLICATION:

Immunoblotting (dilution 1:500)

REACTIVITY/SPECIES:

Human. No cross reactivity with 12 kDa (β) chains.

POSITIVE CONTROL:

Tissue lysate of human spleen, 32 kDa (α chain) band can be detected.

STORAGE:

2-8°C for immediate use, or at -20°C (aliquot)

12-2059-1 Blocking peptide available

REFERENCES:

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Yasuda, T et al. (1998) J Biol Chem **273**: 2610-2616
Krieser, RJ. & Eastman, A. (1998) J Biol Chem **273**: 30909-30914
Shiokawa, D. & Tanuma, S. (1998) Biochem Biophys Res Commun **247**: 864-869
Baker, KP et al. (1998) Gene **215**: 281-289

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