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Product datasheet for TA305979

DNase II (DNASE2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, IHC: 5 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNase II antibody was raised against a peptide corresponding to amino acids 347 to 360 of human DNase II precursor (2-4) .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	deoxyribonuclease II, lysosomal
Database Link:	AF047016 Entrez Gene 1777 Human O00115
Background:	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 . DNase II causes both chromatin condensation and DNA fragmentation . The genes encoding human (2-4), porcine (4), and murine (5) DNase II have been cloned. The DNase II gene encodes a 40 kDa proenzyme. The mature enzyme consists of two non-identical subunits, the 32 kDa (a) and 12 kDa (b) chains, generated by proteolytic processing. Overexpression of DNase II induces chromatin condensation (3). DNase II is ubiquitously expressed in human tissues.

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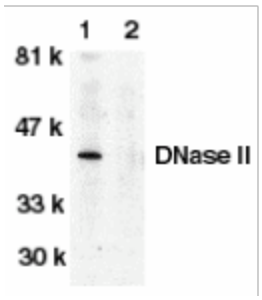
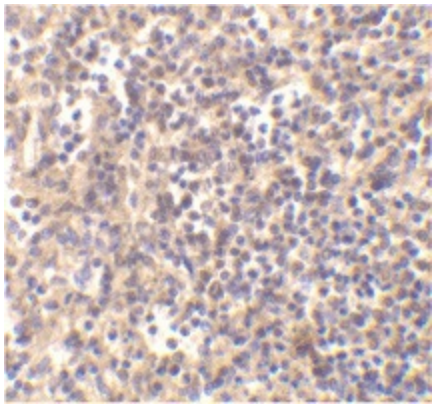
Synonyms: DNASE2A; DNL; DNL2

Product images:



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 antibody II at 1:500 dilution.



Immunohistochemistry of DNaseII in human spleen tissue with DNaseII antibody at 5 ug/ml.

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