

## Anti-DNase II DNASE2 Antibody

Catalog Number: A08512

### About DNASE2

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, 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 32 kDa (alpha) and 12 kDa (beta) chains, generated by proteolytic processing. Overexpression of DNase II induces chromatin condensation. DNase II is ubiquitously expressed in human tissues.

### Overview

Product Name	Anti-DNase II DNASE2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-DNase II DNASE2 Antibody (Catalog # A08512). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	DNase II Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DNase II antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O00115

### Technical Details

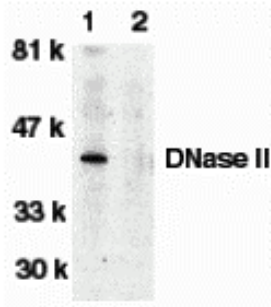
Immunogen	DNase II antibody was raised against a 14 amino acid peptide near the carboxy terminus of human DNase II. The immunogen is located within the last 50 amino acids of DNase II.
Predicted Reactive Species	Bovine, Chicken, Horse, Pig, Rabbit
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	DNase II Antibody is affinity chromatography purified via peptide column.

**Suggested Dilutions**

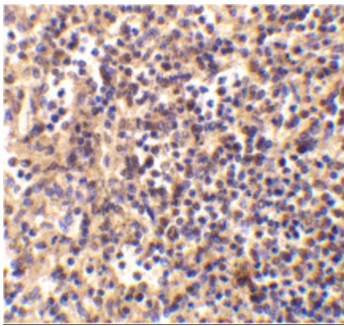
DNase II antibody can be used for detection of DNase II expression by Western blot at 0.5 ug/mL. An approximate 40 kDa band can be detected, which represents the pro-enzyme of DNase II. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 5 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

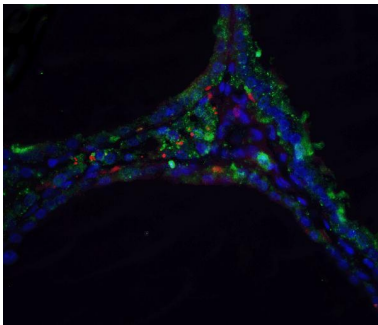
## Anti-DNase II DNASE2 Antibody (A08512) Images



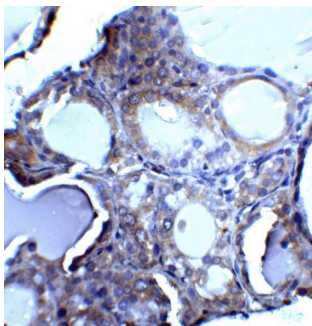
Western blot analysis of DNase II in human spleen tissue lysate in the absence (lane 1) or presence (lane 2) of blocking peptide with DNase II antibody at 1:500 dilution.



Immunohistochemistry of DNase II in human spleen tissue with DNase II antibody at 5 ug/mL.



Immunofluorescence of DNase II in human spleen tissue with DNase II antibody at 5 ug/ml. Green: DNase II antibody (A08512) Red: Phylloidin staining Blue: DAPI staining



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

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Anti-DNase II DNASE2 Antibody

For Research Use Only. Not for use in diagnostic procedures.