

Rabbit DNase II Polyclonal Antibody | anti-DNASE2 antibody

DNase II Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328963	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)	ELISA

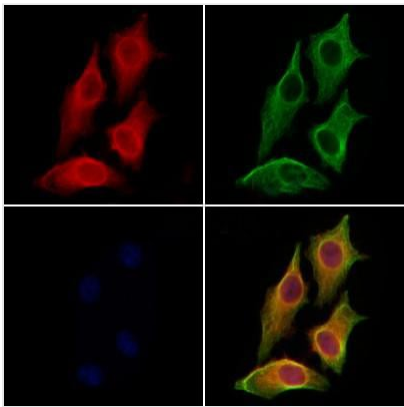
PRODUCT SYNONYMS

DNase II; Polyclonal Antibody; DNase II Antibody; Acid DNase; Deoxyribonuclease 2 alpha; Deoxyribonuclease 2; Deoxyribonuclease II alpha; Deoxyribonuclease II; Deoxyribonuclease II lysosomal; Deoxyribonuclease-2-alpha; Deoxyribonuclease2; Deoxyribonucleasell; DNASE 2; DNASE 2A; DNase II alpha; DNase II lysosomal; DNASE2; DNASE2A; DNaseII; DNL 2; DNL; DNL2; DNS2A_HUMAN; Lysosomal DNase II; R31240 2; R31240_2; anti-DNASE2 antibody

PRODUCT SPECIFICATIONS

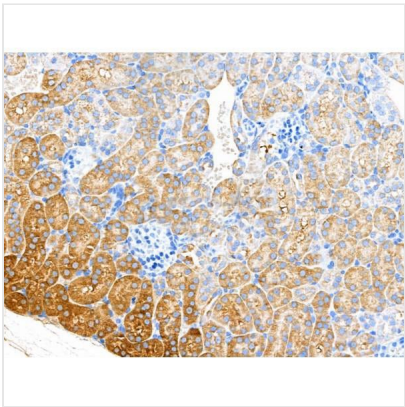
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	DNase II Antibody detects endogenous levels of total DNase II.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1920
Applicable Applications for anti-DNASE2 antibody	ELISA
Immunogen	A synthesized peptide derived from human DNase II, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



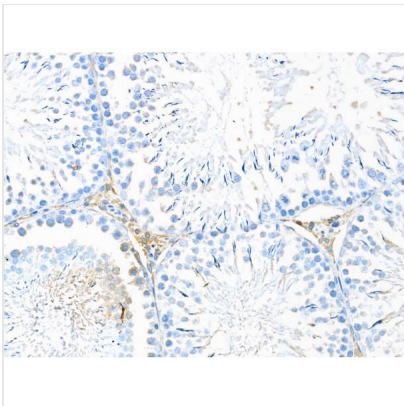
IF (Immunofluorescence)

AAA328963 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328963 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



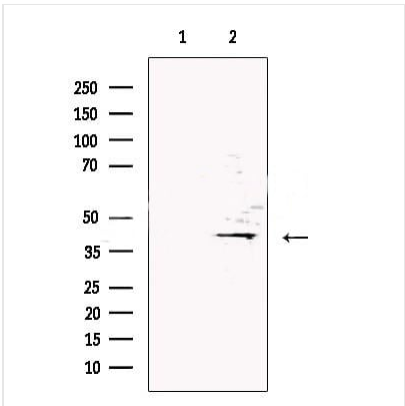
IHC (Immunohistochemistry)

AAA328963 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA328963 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Human spleen, using DNase II Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DNASE2 antibody	Function: Hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. Plays a major role in the degradation of nuclear DNA in cellular apoptosis during development. Necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it degrades nuclear DNA expelled from erythroid precursor cells.
	Post Translational Modifications: Glycosylated. Mutations that eliminate N-glycosylation sites reduce activity, but enzymatic deglycosylation has no effect.
	Subcellular Location: Lysosome.
	Similarity: Belongs to the DNase II family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2921838
NCBI GeneID	1777
UniProt Accession #	O00115

Molecular Weight	Observed Molecular Weight: (Observed)39kD. Predicted Molecular Weight: (Calculated)40kDa.
NCBI Official Full Name	Homo sapiens deoxyribonuclease II alpha mRNA, complete cds
NCBI Official Synonym Full Names	deoxyribonuclease 2, lysosomal
NCBI Official Symbol	DNASE2
NCBI Official Synonym Symbols	DNL; DNL2; DNASE2A
NCBI Protein Information	deoxyribonuclease-2-alpha
UniProt Protein Name	Deoxyribonuclease-2-alpha
UniProt Gene Name	DNASE2
UniProt Synonym Gene Names	DNASE2A; DNL2; DNase II alpha
UniProt Entry Name	DNS2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnase-ii-antibody-elisa/328963>