

**AP21415BT-N****Polyclonal Antibody to Thermonuclease - Biotin**

<b>Alternate names:</b>	Nuclease, TNase, nuc
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	10.0 mg/ml
<b>Background:</b>	Native <i>Staphylococcus aureus</i> nuclease. Cleaves RNA and DNA to produce oligo- and mononucleotides with terminal 3'-phosphate groups. Also used to convert standard rabbit reticulocyte cell-free extracts (lysate) into mRNA-dependent protein synthesis systems.
<b>Uniprot ID:</b>	<a href="#">P00644</a>
<b>NCBI:</b>	<a href="#">1280</a>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Nuclease isolated and purified from <i>Staphylococcus aureus</i> . Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Lyophilized hyperimmune IgG fraction <b>Purification:</b> Ammonium Sulphate Precipitation and Ion Exchange Chromatography <b>Buffer System:</b> PBS, pH 7.2 without preservatives and foreign proteins <b>Label:</b> Biotin <i>Molar Ratio:</i> Biotin/IgG ~4.8 <b>Reconstitution:</b> Restore by adding 1.0 ml of sterile distilled water
<b>Applications:</b>	This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques). <b>Recommended Dilutions:</b> Non-precipitating antibody-binding techniques: 1/1,000-1/15,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is polyclonal immunologic reagents to Nuclease from <i>Staphylococcus aureus</i> . The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined. <b>Species:</b> <i>Staphylococcus aureus</i> . Other species not tested.

**Storage:**

Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

If a slight precipitation occurs upon storage, this should be removed by centrifugation.

Shelf life: one year from despatch.