

Product datasheet for **AP21390BT-N**

aprE Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	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). <u>Recommended Dilutions:</u> Non-precipitating antibody-binding techniques: 1/1,000-1/6,000.
Reactivity:	Bacillus sp.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Subtilisin isolated and purified from <i>Bacillus subtilis</i> . Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Subtilisin from <i>Bacillus subtilis</i> . The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immuno-electrophoresis, Cross-Immuno-electrophoresis, 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.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins Label: Biotin State: Lyophilized hyperimmune IgG fraction Molar ratio: Biotin/IgG ~ 6.3
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Biotin



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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.
Stability:	Shelf life: one year from despatch.
Database Link:	P04189
Background:	<p>Subtilisin (serine endopeptidase) is a non-specific protease (a protein-digesting enzyme) initially obtained from <i>Bacillus subtilis</i>.</p> <p>Subtilisins belong to subtilases, a group of serine proteases that initiate the nucleophilic attack on the peptide (amide) bond through a serine residue at the active site. They are physically and chemically well-characterized enzymes. Subtilisins typically have molecular weights of about 20,000 to 45,000 dalton. They can be obtained from soil bacteria, for example, <i>Bacillus amyloliquefaciens</i>. Subtilisins are secreted in large amounts from many <i>Bacillus species</i>.</p> <p>Subtilisin is an extracellular alkaline serine protease, it catalyzes the hydrolysis of proteins and peptide amides.</p>
Synonyms:	aprE, apr, aprA, sprE, Subtilisin E