

Product datasheet for **AP21357BT-N**

Papain 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>Working Dilutions:</u> Non-precipitating antibody-binding techniques: 1/10,000-1/100,000.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Papain isolated and purified from Carica papaya. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Papain from Carica papaya. 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.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins Label: Biotin State: Lyophilized hyperimmune IgG fraction Molar ratio: Biotin/IgG ~6.0
Reconstitution Method:	Restore by adding 1.0 ml sterile distilled water
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Biotin



[View online »](#)

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:	P00784
Background:	Papain is a protease derived from the papaya fruit (<i>Carica papaya</i>). It hydrolyses peptides with broad specificity, but shows a preference for large hydrophobic amino acids in the P2 position. It is synthesised as an inactive 40 kDa precursor containing a 107 residue N terminal pro region and a 26 residue signal peptide.
Synonyms:	Papaya proteinase I, PPI, Allergen Car p 1