

## Product datasheet for **AP21357AF-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), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of choice. <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 State: Azide Free State: Lyophilized hyperimmune IgG fraction
Reconstitution Method:	Restore by adding 1.0 ml sterile distilled water
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Unconjugated



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<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<u><a href="#">P00784</a></u>
<b>Background:</b>	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.
<b>Synonyms:</b>	Papaya proteinase I, PPI, Allergen Car p 1