

Product datasheet for **R1102BS**

Papain Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/1,000-1/10,000. Western blot: 1/500-1/2,500. Immunohistochemistry: Paraffin (FFPE) or Frozen sections; 1/100 suggested to begin.
Reactivity:	Carica papaya
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Papain from <i>Carica papaya</i>
Specificity:	This antibody detects papaya Papain. Cross reactivity against Papain from other sources may occur but has not been specifically determined. Immunoelectrophoresis give a single precipitin arc against anti-peroxidase, anti-goat serum as well as purified and partially purified Papain [<i>Carica papaya</i>].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: Biotin State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Sodium azide
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	Biotin
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Database Link:	P00784
Background:	Papain belongs to the peptidase C1 family and hydrolyses proteins with broad specificity for peptide bonds. The proteolysis preference of Papain is at amino acids bearing a large hydrophobic side chain at the P2 position and is inhibited when Val is at position P1. Papain may cause allergic reactions in humans.
Synonyms:	Papaya proteinase I, PPI, Allergen Car p 1