

## Product datasheet for **R1102HRPS**

### Papain Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1,000-1/5,000. <b>Western blot:</b> 1/500-1/2,500. <b>Immunochemistry on Paraffin and Frozen sections:</b> 1/200- 1/1,000.
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: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
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:	HRP



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