

## Product datasheet for **R1071HRP-S**

### CPB1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Western blot:</b> 1/250-1/1,000 <b>ELISA:</b> 1/1,000-1/5,000 This product has been assayed against 1.0 µg of Carboxypeptidase B [porcine pancreas] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/1,000-1/3,000 of the reconstitution concentration is suggested.
Reactivity:	Porcine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Carboxypeptidase B from porcine pancreas
Specificity:	This product detects porcine Carboxypeptidase B. Cross reactivity against Carboxypeptidase B from other tissues and species is unknown. Immunoelectrophoresis give a single precipitin arc against anti-peroxidase, anti-rabbit serum as well as purified and partially purified Carboxypeptidase B [porcine pancreas].
Formulation:	0.02M Potassium phosphate, 0.15M Sodium chloride, pH 7.2 Label: HRP State: Lyophilized purified IgG fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml 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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**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.

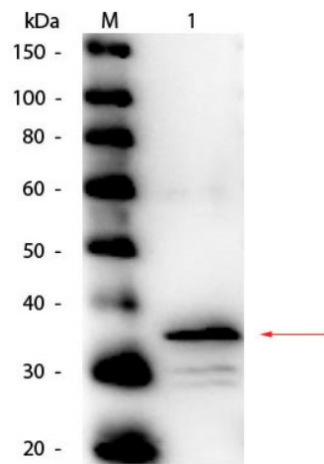
**Stability:** Shelf life: one year from despatch.

**Database Link:** [P09955](#)

**Background:** Carboxypeptidase catalyzes the hydrolysis of the basic amino acids lysine, arginine and ornithine from the C terminal position in polypeptides. It occurs as a zymogen in the pancreas in most vertebrates.

**Synonyms:** CPB1, CPB, PCPB, Pancreas-specific protein, PASP

### Product images:



Western blot of peroxidase conjugated rabbit anti-Carboxypeptidase B antibody. Lane 1: Carboxypeptidase B. Load: 50 ng per lane. Primary antibody: Peroxidase conjugated rabbit anti-Carboxypeptidase B antibody at 1/1,000 overnight at 4°C. Secondary antibody: n/a. Blocking buffer for 30 minutes at RT. Predicted/Observed size: 47 kDa, observed at 35 kDa for Carboxypeptidase B. Expected molecular weight for processed protein is ~34.7 kDa.