

R1063HRPS**Polyclonal Antibody to Beta-amylase - HRP**

Alternate names:	1, 4-alpha-D-glucan maltohydrolase, AMYB, BMY1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Beta-amylase is an enzyme found in the seeds of higher plants and in sweet potatoes. It hydrolyses 1,4 alpha D glucosidic linkages in polysaccharides to remove successive maltose units from the non reducing ends of the chains. Used in the structural analysis of starch and glycogen.
Uniprot ID:	P10537
NCBI:	4120
Host:	Rabbit
Immunogen:	Beta-amylase from sweet potato
Format:	State: Lyophilized purified Ig fraction Purification: Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer Buffer System: 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Preservatives: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Stabilizers: 10 mg/ml BSA (immunoglobulin and protease free) Label: HRP – Horseradish peroxidase Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).
Applications:	Western blot: 1/1000-1/5000. ELISA: 1/1,000-1/5,000 dilution suggested to begin optimization. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects sweet potato beta-amylase. Immunoelectrophoresis gives a single precipitin arc against anti-peroxidase, anti-rabbit serum as well as purified and partially purified beta- amylase [sweet potato]. Species: Sweet potato. Other species not tested.
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. Shelf life: one year from despatch.
Caution:	Do NOT add Sodium azide!