

Product datasheet for **BP243**

Pancreatic alpha amylase (AMY2A) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: detects a major band of approximately 56 kDa in Porcine Amylase samples under reducing conditions.
Reactivity:	Human, Porcine
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Porcine pancreatic Alpha-Amylase
Specificity:	This antibody recognizes Amylase (Pancreatic), a digestive enzyme with a molecular weight of approximately 56 kDa secreted by the pancreas.
Formulation:	PBS, pH 7.2 State: Ig Fraction State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	amylase, alpha 2A (pancreatic)
Database Link:	Entrez Gene 279 Human P04746



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Background:

Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreatic gland.

AMY2A belongs to the glycosyl hydrolase 13 family. Catalytic activity: endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.

Synonyms:

Pancreatic alpha-amylase