



# Anti-AMY2 polyclonal antibody (CPBT-68169SP)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Sheep anti Pig Amylase (Pancreatic) antibody recognizes Amylase (Pancreatic), a digestive enzyme with a molecular weight of approximately 56 kDa secreted by the pancreas. 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. Western Blotting detects a major band of approximately 56 kDa in porcine amylase samples under reducing conditions.

<b>Specificity</b>	AMYLASE
<b>Immunogen</b>	Porcine pancreatic alpha-amylase
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Pig, Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	1 ml
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">AMY2 amylase, alpha 2B (pancreatic) [ Sus scrofa (pig) ]</a>
Official Symbol	AMY2
Synonyms	AMY2; AMY2B; pancreatic alpha-amylase; PA; alpha-amylase; 1,4-alpha-D-glucan glucanohydrolase; AMYLASE;
Entrez Gene ID	<a href="#">397397</a>
Protein Refseq	<a href="#">NP_999360</a>
UniProt ID	P00690
Chromosome Location	4; 4
Pathway	Carbohydrate digestion and absorption; Digestion of dietary carbohydrate; Disease; Glycogen storage diseases; Metabolic pathways; Metabolism; Metabolism of carbohydrates; Myoclonic epilepsy of Lafora;
Function	alpha-amylase activity; calcium ion binding; chloride ion binding;