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Datasheet for ABIN113204
anti-Alpha-amylase 1 antibody

Overview

Quantity:	1 mL
Target:	Alpha-amylase 1 (AMY1)
Reactivity:	Human, Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Alpha-amylase 1 antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure Human Salivary Amylase.
Isotype:	IgG
Specificity:	Human salivary Amylase: 100 % Porcine pancreatic Amylase 50 % Amylase from <i>Aspergillus oryzae</i> 10 %
Purification:	Affinity Chromatography

Target Details

Target:	Alpha-amylase 1 (AMY1)
Alternative Name:	alpha-Amylase 1 (AMY1 Products)
Background:	Amylases are secreted proteins that hydrolyze 1,4 alpha glucoside bonds in oligosaccharides and polysaccharides. They catalyze the first step in digestion of dietary starch and glycogen. Alternative splicing results in multiple transcript variants encoding the same protein. Salivary

Target Details

Amylase is a digestive enzyme secreted by salivary glands, it consists of a single polypeptide chain with a molecular weight of 56 kDa (family B) or 62 kDa (family A), the difference in molecular weight being due to the presence or absence of a carbohydrate moiety. The total serum concentration of amylase is about 120g/L of which about 50 % is salivary amylase. Although salivary amylase and pancreatic amylase share 95 % amino acid sequence homology, they differ in molecular size, isoelectricpoint and antigenic properties.Synonyms: 1, 4-alpha-D-glucan glucanohydrolase 1, AMY1, AMY1A, Salivary alpha-amylase

Gene ID: 276

NCBI Accession: [NP_001008219](#)

UniProt: [P04745](#)

Application Details

Application Notes: Immunohistochemistry (frozen): 1/50 - 1/200. ELISA (In a simple indirect ELISA with 400 ng of human salivary amylase bound to theplate, the 50 % OD was observed at an antibody dilution of 1/5K. Under the sameconditions, the end point was observed at 1/500K).

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 5.0 mg/mL

Buffer: PBS pH 7.2 containing 0.09 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.