

Rabbit AMY1A Polyclonal Antibody | anti-AMY1A antibody

AMY1A Antibody (Center)

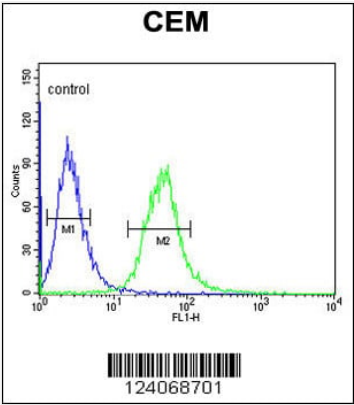
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288521	Rabbit	Human (Predicted Reactivity: Pig)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

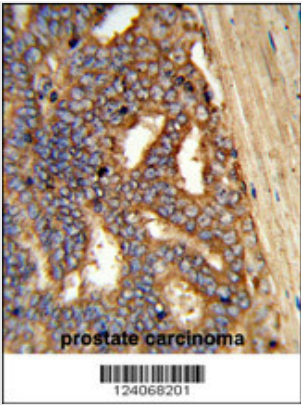
AMY1A; Polyclonal Antibody; AMY1A Antibody (Center); Alpha-amylase 1; 4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY1; anti-AMY1A antibody

PRODUCT SPECIFICATIONS

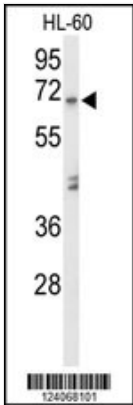
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AMY1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the Central region of human AMY1A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	195-223
Sequence Length	511
Applicable Applications for anti-AMY1A antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
AMY1A Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with AMY1A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of AMY1A Antibody (Center) in HL-60 cell line lysates (35ug/lane). AMY1A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AMY1A antibody	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. It is an amylase isoenzyme produced by the salivary gland.
Product Categories/Family for anti-AMY1A antibody	Cancer; Cell Biology; Metabolism; Signal transduction
References	Ragunath, C., et al. J. Mol. Biol. 384(5):1232-1248(2008) Takahashi, T., et al. Neuro Endocrinol. Lett. 28(5):662-665(2007) Perry, G.H., et al. Nat. Genet. 39(10):1256-1260(2007) Chaudhuri, B., et al. BMC Microbiol. 7, 60 (2007) : Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Bank, R.A., et al. Electrophoresis 12(1):74-79(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549662
NCBI GeneID	277
NCBI Accession #	NP_001008219.1; NP_001008220.1; NP_001008222.1; NP_004029.2

NCBI GenBank Nucleotide #	NM_001008218.1
UniProt Accession #	P04745; Q13763; Q5T083; A6NJS5; A8K8H6
Molecular Weight	57768
NCBI Official Full Name	alpha-amylase 1
NCBI Official Synonym Full Names	amylase, alpha 1B (salivary)
NCBI Official Symbol	AMY1B
NCBI Official Synonym Symbols	AMY1
NCBI Protein Information	alpha-amylase 1
UniProt Protein Name	Alpha-amylase 1
UniProt Gene Name	AMY1A
UniProt Synonym Gene Names	AMY1
UniProt Entry Name	AMY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amy1a-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288521>