

## Rabbit AMY2A Polyclonal Antibody | anti-AMY2A antibody

AMY2A Antibody (C-term)

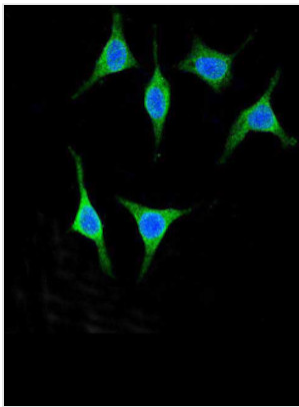
| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                            |
|-----------|--------|------------------------------------------|-----------------------------------------|
| AAA284877 | Rabbit | Human, Mouse (Predicted Reactivity: Pig) | Western Blot, ELISA, Immunofluorescence |

### PRODUCT SYNONYMS

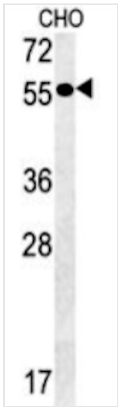
AMY2A; Polyclonal Antibody; AMY2A Antibody (C-term); Pancreatic alpha-amylase; PA; 4-alpha-D-glucan glucanohydrolase; anti-AMY2A antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                 |
| Reactivity                                      | Human, Mouse (Predicted Reactivity: Pig)                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                             |
| Isotype                                         | Rabbit IgG                                                                                                                                                             |
| Specificity                                     | This AMY2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 484-511 amino acids from the C-terminal region of human AMY2A. |
| Purity/Purification                             | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                       |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                                                            |
| Sequence Positions                              | 484-511                                                                                                                                                                |
| Sequence Length                                 | 265                                                                                                                                                                    |
| Applicable Applications for anti-AMY2A antibody | WB (Western Blot), ELISA, IF (Immunofluorescence)                                                                                                                      |
| Cellular Location                               | Secreted, extracellular space.                                                                                                                                         |
| Tissue Location                                 | Detected in pancreas (at protein level).                                                                                                                               |
| Preparation and Storage                         | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                |



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of AMY2A Antibody (C-term)(Cat. #AAA284877) with 293 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**WB (Western Blot)**  
AMY2A Antibody (C-term)(Cat. #AAA284877) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the AMY2A antibody detected the AMY2A protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AMY2A 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. This gene encodes an amylase isoenzyme produced by the pancreas.                                                                                                                                                                                           |
| Product Categories/Family for anti-AMY2A antibody   | Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| References                                          | Endo, T., et al. Diabetes 58(3):732-737(2009)<br>Baltova, S.D. Folia Med (Plovdiv) 47(1):37-41(2005)<br>Scheil, H.G., et al. Anthropol Anz 62(4):429-434(2004)<br>Numao, S., et al. J. Biol. Chem. 279(46):48282-48291(2004)<br>Baltova, S., et al. Coll Antropol 28 SUPPL 2, 291-295 (2004) :<br>Jacob, M., et al. Biochem. Cell Biol. 70 (10-11), 1105-1114 (1992) :<br>Groot, P.C., et al. Genomics 8(1):97-105(1990)<br>Horii, A., et al. Gene 60(1):57-64(1987)<br>Nishide, T., et al. Gene 41 (2-3), 299-304 (1986) :<br>Kaczmarek, M.J., et al. Clin. Chim. Acta 79(1):69-73(1977) |

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 4502085                        |
| NCBI GeneID                      | 279                            |
| NCBI Accession #                 | NP_000690.1                    |
| NCBI GenBank Nucleotide #        | NM_000699.3                    |
| UniProt Accession #              | P04746; Q9UBH3; B9EJG1         |
| Molecular Weight                 | 57707                          |
| NCBI Official Full Name          | pancreatic alpha-amylase       |
| NCBI Official Synonym Full Names | amylase, alpha 2A (pancreatic) |
| NCBI Official Symbol             | AMY2A                          |
| NCBI Official Synonym Symbols    | PA; AMY2                       |
| NCBI Protein Information         | pancreatic alpha-amylase       |

|                            |                          |
|----------------------------|--------------------------|
| UniProt Protein Name       | Pancreatic alpha-amylase |
| UniProt Gene Name          | AMY2A                    |
| UniProt Synonym Gene Names | PA                       |
| UniProt Entry Name         | AMYP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/amy2a-antibody-western-blot-immunofluorescence-elisa/284877>