10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AMY2A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5415b

Product Information

Application	WB, IF, E
Primary Accession	P04746
Other Accession	P00690, P19961, P04745, NP_000690.1
Reactivity	Human, Mouse
Predicted	Pig, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26793
Calculated MW	57707
Antigen Region	484-511

Additional Information

Gene ID	279
Other Names	Pancreatic alpha-amylase, PA, 4-alpha-D-glucan glucanohydrolase, AMY2A
Target/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.
Dilution	WB~~1:1000 IF~~1:10~50 E~~Use at an assay dependent concentration.
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.
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.
Precautions	AMY2A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AMY2A
Cellular Location	Secreted, extracellular space.
Tissue Location	Detected in pancreas (at protein level).

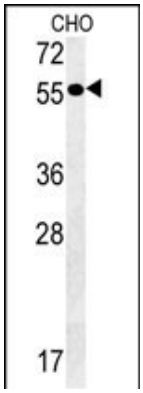
Background

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 pancreas.

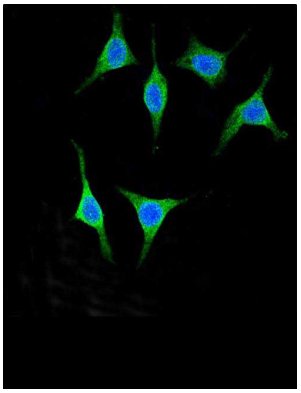
References

Endo, T., et al. Diabetes 58(3):732-737(2009)
Baltova, S.D. Folia Med (Plovdiv) 47(1):37-41(2005)
Scheil, H.G., et al. Anthropol Anz 62(4):429-434(2004)
Numao, S., et al. J. Biol. Chem. 279(46):48282-48291(2004)
Baltova, S., et al. Coll Antropol 28 SUPPL 2, 291-295 (2004) :
Jacob, M., et al. Biochem. Cell Biol. 70 (10-11), 1105-1114 (1992) :
Groot, P.C., et al. Genomics 8(1):97-105(1990)
Horii, A., et al. Gene 60(1):57-64(1987)
Nishide, T., et al. Gene 41 (2-3), 299-304 (1986) :
Kaczmarek, M.J., et al. Clin. Chim. Acta 79(1):69-73(1977)

Images



AMY2A Antibody (C-term)(Cat. #AP5415b) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the AMY2A antibody detected the AMY2A protein (arrow).



Confocal immunofluorescent analysis of AMY2A Antibody (C-term)(Cat. #AP5415b) with 293 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.