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

# AMY2B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10694a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, FC, IF, E |
| **Primary Accession** | P19961 |
| **Other Accession** | P04746, P04745, NP_066188.1 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB23658 |
| **Calculated MW** | 57710 |
| **Antigen Region** | 74-100 |

## Additional Information

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|---|---|
| **Gene ID** | 280 |
| **Other Names** | Alpha-amylase 2B, 4-alpha-D-glucan glucanohydrolase 2B, Carcinoid alpha-amylase, AMY2B |
| **Target/Specificity** | This AMY2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-100 amino acids from the N-terminal region of human AMY2B. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 IF~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **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** | AMY2B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | AMY2B |
| **Cellular Location** | Secreted. |

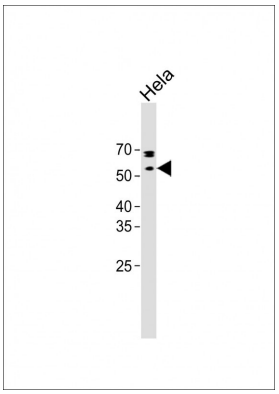
## Background

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.

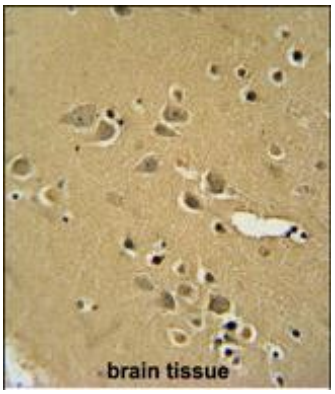
## References


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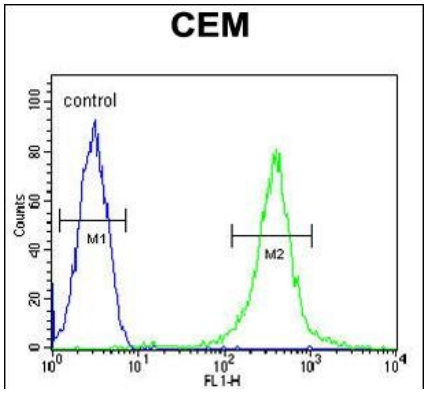

## Images



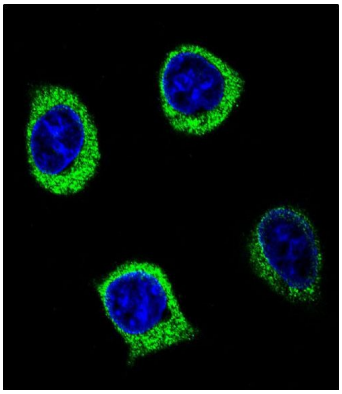

All lanes: Anti-AMY2B Antibody (N-term) at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 58 KDa Blocking/Dilution buffer: 5% NFDM/TBST.




AMY2B antibody (N-term) (Cat. #AP10694a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AMY2B antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.




AMY2B Antibody (N-term) (Cat. #AP10694a) 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.



Confocal immunofluorescent analysis of AMY2B Antibody (N-term) (Cat#AP10694a) 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'.