

Anti-Alpha Amylase 1 Antibody

Catalog # ABO10805

Product Information

Application	WB, IHC-P
Primary Accession	P04745
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Alpha-amylase 1(AMY1A) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

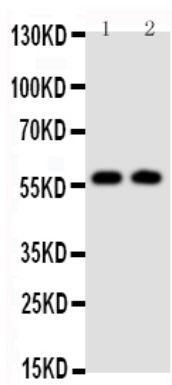
Other Names	Alpha-amylase 1, 3.2.1.1, 1, 4-alpha-D-glucan glucanohydrolase 1, Salivary alpha-amylase, AMY1A, AMY1
Calculated MW	57768 Da
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Rat, Human, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Secreted.
Protein Name	Alpha-amylase 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Alpha Amylase 1(30-44aa HLFWRWVDIAECE), different from the related rat and mouse sequences by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the glycosyl hydrolase 13 family.

Protein Information

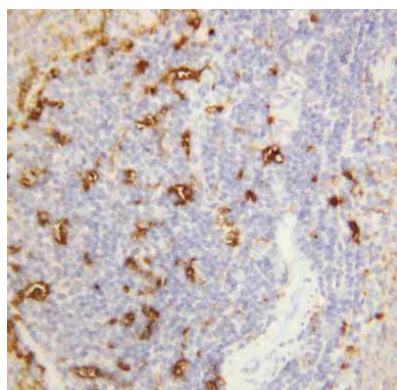
Background

Amylase is an enzyme that catalyses the breakdown of starch into sugars. Amylase is present in human saliva, where it begins the chemical process of digestion. By in situ hybridization combined with high resolution cytogenetics, the amylase gene is mapped to 1p21. Amylase enzymes find use in bread making and to break down complex sugars such as starch(found in flour) into simple sugars. Yeast then feeds on these simple sugars and converts it into the waste products of alcohol and CO₂.

Images



Anti-Alpha Amylase 1 antibody, ABO10805, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Rat Intestine Tissue Lysate



Anti-Alpha Amylase 1 antibody, ABO10805, IHC(P)
Rat Spleen Tissue

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