

Anti-KLK1 Antibody

Catalog # ABO10947

Product Information

Application	WB, IHC-P
Primary Accession	P00758
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Kallikrein-1(Ngfg) detection. Tested with WB, IHC-P in Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	24594
Other Names	Kallikrein-1, 3.4.21.35, Gamma-NGF, Nerve growth factor gamma chain, PS kallikrein, Pancreatic kallikrein, RGK-1, rK-1, Tissue kallikrein, True tissue kallikrein, True kallikrein, Nerve growth factor gamma chain 1, Nerve growth factor gamma chain 2, Ngfg, Klk-1, Klk1
Calculated MW	28852
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Rat
Tissue Specificity	High levels in pancreas, submaxillary and parotid glands, spleen, and kidney. .
Source	Eukaryota
Protein Name	Kallikrein-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₂ S ₂ O ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat Kallikrein 1(243-261aa YTKLIKFTPWIKVEMKENP).
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 peptidase S1 family. Kallikrein subfamily.

Protein Information

Name	Ngfg
Synonyms	Klk-1, Klk1
Tissue Location	High levels in pancreas, submaxillary and parotid glands, spleen, and kidney.

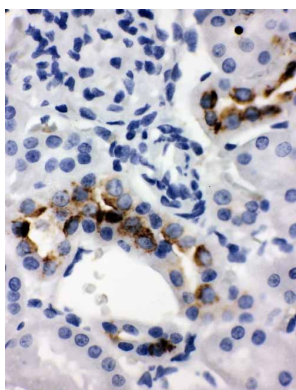
Background

KLK1(KALLIKREIN 1), also called KLKR, is a protein that in humans is encoded by the KLK1 gene. KLK1 is a member of the peptidase S1 family. KLK1 is a serine protease that generates Lys-bradykinin by specific proteolysis of kininogen-1. The KLK1 gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19 and its exact cytogenetic location is 19q13.33. The KLK1 gene contains 5 coding exons. And KLK1 is the most centromeric gene in the cluster. Mice lacking tissue kallikrein are unable to generate significant levels of kinins in most tissues and develop cardiovascular abnormalities early in adulthood despite normal blood pressure. The protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.

Images



Anti-Kallikrein 1 antibody, ABO10947, Western blotting
Lane 1: Rat Pancreas Tissue Lysate Lane 2: Rat Kidney Tissue Lysate



Anti-Kallikrein 1 antibody, ABO10947, IHC(P)
IHC(P): Rat Kidney Tissue