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KLK1 Rabbit pAb

Catalog # AP99920

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P06870
Other Accession	P06870
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28890
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KLK1
Epitope Specificity	101-200/262
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
Post-translational modifications	The O-linked polysaccharides on Ser-93, Ser-104 and Ser-167 are probably the mucin type linked to GalNAc. In PubMed:3163150, GalNAc was detected with the corresponding peptides but not located.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3816
Other Names	KLKR; Klk6; hK1; Klk1; Klk1c1; Klna4; Ngfg; rGK-1; rK-1; KLK1_HUMAN; Kidney/pancreas/salivary gland kallikrein; Tissue kallikrein; 3.4.21.35; KLK1_RAT; Gamma-NGF; Nerve growth factor gamma chain; PS kallikrein; Pancreatic kallikrein; RGK-1 (rK-1); True tissue kallikrein (True kallikrein); Klk-1; kallikrein 1; kallikrein 1, renal/pancreas/salivary
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KLK1
Function	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Tissue Location	Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.

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