KLK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLK1, Polyclonal Antibody
Full Product Name	KLK1 Rabbit pAb
Product Gene Name	anti-KLK1 antibody
Product Synonym Names	hK1; KLKR; Klk6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	22kDa
OMIM	147910
3D Structure	ModBase 3D Structure for P06870
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 25-262 of human KLK1 (NP_002248.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KLK1 antibody	Western Blot (WB)
Application Notes for anti-KLK1 antibody	WB: 1:500-1:2000
Related Product Information for anti-KLK1 antibody	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Other Notes	Small volumes of anti-KLK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KLK1 purchase	MBS8544596 is an antibody targeting KLK1. Also known as KLK1 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK1. It may not necessarily be applicable to this product.

NCBI GI #	386843
NCBI GeneID	3816
NCBI Accession #	AAA59201.1
UniProt Primary Accession #	P06870

UniProt Related Accession #	P06870
NCBI Official Full Name	kallikrein, partial
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	KLK1
NCBI Official Synonym Symbols	hK1; KLKR; Klk6
UniProt Protein Name	Kallikrein-1
UniProt Synonym Protein Names	Kidney/pancreas/salivary gland kallikrein; Tissue kallikrein
Protein Family	Blarinasin
UniProt Gene Name	KLK1
UniProt Entry Name	KLK1_HUMAN
NCBI Protein Information	kallikrein-1
NCBI Summary for KLK1	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]
UniProt Comments for KLK1	KLK1: Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. Belongs to the peptidase S1 family. Kallikrein subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.21.35; Protease Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: nucleus Molecular Function: serine-type endopeptidase activity Biological Process: proteolysis Disease: Kallikrein, Decreased Urinary Activity Of
Research Articles on KLK1	**1.** Letter: KLK1 (rs5516) was associated with thoracic aortic dissection.
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