KLK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLK1, Polyclonal Antibody
Full Product Name	KLK1 (Kallikrein-1, Kidney/Pancreas/Salivary Gland Kallikrein, Tissue Kallikrein) (MaxLight 490)
Product Gene Name	anti-KLK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KLK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	160,000
Chromosome Location	Chromosome: 19; NC_000019.9 (51322404..51327043, complement). Location: 19q13.3
OMIM	147910
3D Structure	ModBase 3D Structure for P06870
Immunogen	Full length human KLK1, aa1-262 (NP_002248.1).
Immunogen Sequence	MWFLVLCLALSLGGTGAAPPIQSRIVGGWECEQHSQPWQAALYHFSTFQCGGILVHRQWVLTAAHCISDNYQLWLGRHNLFDDENTAQFVHVSESFPH
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-KLK1 antibody	Antibodies; Kallikrein
Applications Tested/Suitable for anti-KLK1 antibody	Western Blot (WB)
Application Notes for anti-KLK1 antibody	Applications are based on unconjugated antibody.

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 necessa
Searchable Terms for KLK1 purchase	MBS6383713 is an antibody targeting KLK1. Also known as KLK1 (Kallikrein-1, Kidney/Pancreas/Salivary Gland Kallikrein, Tissue Kallikrein) (MaxLight

ADDITIONAL DETAILS

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

NCBI GI #	4504875
NCBI GeneID	3816
NCBI Accession #	NP_002248.1
UniProt Primary Accession #	P06870
UniProt Secondary Accession #	Q66US9; Q86U61; Q8TCV8; Q9BS53; Q9NQU4; Q9UD19; Q9UMJ1
UniProt Related Accession #	P06870
GenBank Nucleotide #	NM_002257.2
NCBI Official Full Name	kallikrein-1 preproprotein
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; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kallikrein 1, renal/pancreas/salivary; kidney/pancreas/salivary gland kallikrein
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.** Unexpectedly, elevated KLK1 expression and excretion is found in patients with established or incipient acute kidney injury.
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