

Rabbit KLK1 Polyclonal Antibody | anti-KLK1 antibody

KLK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326393	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

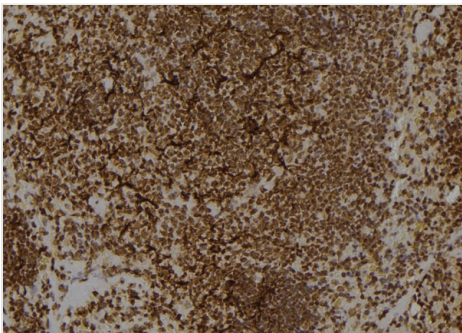
PRODUCT SYNONYMS

KLK1; Polyclonal Antibody; KLK1 Antibody; Glandular kallikrein 1; hK 1; hK1; Kallikrein serine protease 1; Kallikrein-1; Kidney/pancreas/salivary gland kallikrein; Klk 6; KLK1_HUMAN; Klk6; KLKR; Tissue kallikrein; anti-KLK1 antibody

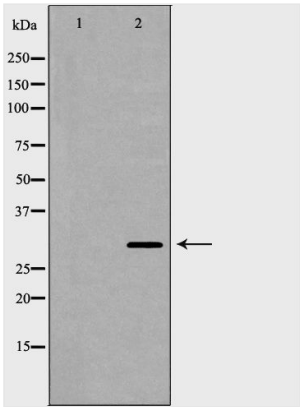
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KLK1 antibody detects endogenous levels of total KLK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	262
Applicable Applications for anti-KLK1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KLK1
Tissue Specificity	Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.
Predicted Cross Reactivity	Pig, Dog
Similarity	Pig (80%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326393 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Hela, using KLK1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK1 antibody	Description: 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] Function: Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. 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. Similarity: Belongs to the peptidase S1 family. Kallikrein subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504875
NCBI GeneID	3816
NCBI Accession #	NP_002248.1
NCBI GenBank Nucleotide #	NM_002257.3
UniProt Accession #	P06870; Q66US9; Q86U61; Q8TCV8; Q9BS53; Q9NQU4; Q9UD19; Q9UMJ1
Molecular Weight	Observed: 29 kDa Predicted: 29 kDa
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
NCBI Protein Information	kallikrein-1
UniProt Protein Name	Kallikrein-1
UniProt Gene Name	KLK1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

