

Rabbit anti-Human, Rat KLK3 Polyclonal Antibody | anti-KLK3 antibody

KLK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326544	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

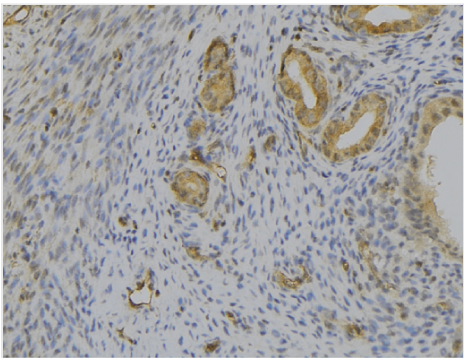
PRODUCT SYNONYMS

KLK3; Polyclonal Antibody; KLK3 Antibody; antigen; prostate-specific; APS; Gamma seminoprotein; Gamma-seminoprotein; hK3; Kallikrein 3; Kallikrein related peptidase 3; Kallikrein-3; KLK 3; KLK2A1; Kik3; KLK3_HUMAN; P-30 antigen; P30 antigen; Prostate-specific antigen; Psa; Semenogelase; Semin; anti-KLK3 antibody

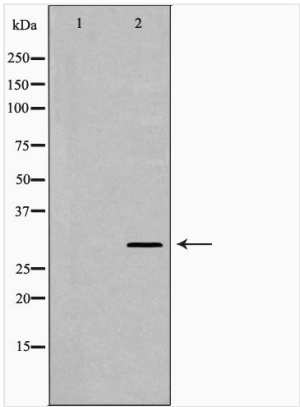
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KLK3 antibody detects endogenous levels of total KLK3
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	238
Applicable Applications for anti-KLK3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KLK3
Subcellular Location	Secreted.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326544 at 1/100 staining Human uterus 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 PC-3, using KLK3 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK3 antibody	Description: Kallikrein 3 (KLK3), also known as Prostate Specific Antigen (PSA), is a member of the glandular kallikrein subfamily of serine proteases (1). It is produced by prostate epithelial cells and is secreted into prostatic ducts. Upon cleavage of 7 N-terminal amino acids (2), it is activated to liquefy semen in the seminal coagulum. Although PSA/KLK3 is produced in healthy individuals, investigators have found abnormally high levels in the blood of men with advanced prostate cancer (3, 4). Function: Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. Subunit Structure: Forms a heterodimer with SERPINA5. Similarity: Belongs to the peptidase S1 family. Kallikrein subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71834853
NCBI GeneID	354
NCBI Accession #	NP_001025218.1
NCBI GenBank Nucleotide #	NM_001030047.1
UniProt Accession #	P07288; Q15096; Q16272; Q86TG8; Q8IXI4; C9JXH3; G3V0H4; G3XAE3
Molecular Weight	Observed: 29 kDa Predicted: 29 kDa
NCBI Official Full Name	prostate-specific antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 3
NCBI Official Symbol	KLK3
NCBI Official Synonym Symbols	APS; PSA; hK3; KLK2A1
NCBI Protein Information	prostate-specific antigen
UniProt Protein Name	Prostate-specific antigen
UniProt Gene Name	KLK3
UniProt Synonym Gene Names	APS; PSA; Semin

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.

