

Mouse anti-Human Prostate Specific Antigen/KLK3 Monoclonal Antibody | anti-KLK3 antibody

Anti-Prostate Specific Antigen/KLK3 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255152	Mouse	Human	Immunohistochemistry

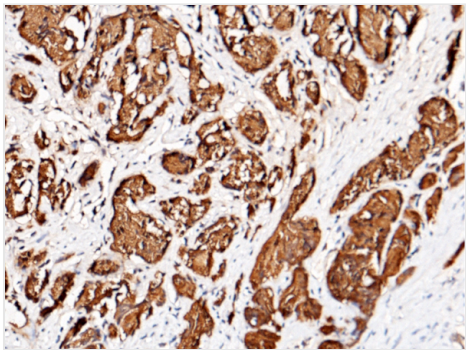
PRODUCT SYNONYMS

Prostate Specific Antigen/KLK3; Monoclonal Antibody; Anti-Prostate Specific Antigen/KLK3 Antibody; Mouse Monoclonal; KLK3/Kallikrein 3 Antibody; Mouse MAb; kallikrein related peptidase 3; Anti-APS Antibody; Anti-Hk3 Antibody; Anti-KLK2A1 Antibody; Anti-PSA Antibody; anti-KLK3 antibody

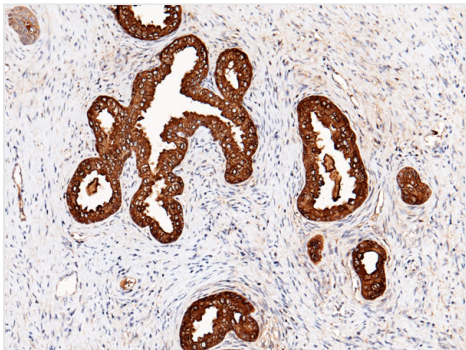
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human KLK3/Kallikrein 3
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-KLK3 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human KLK3/Kallikrein 3 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human KLK3/Kallikrein 3 (rh KLK3/Kallikrein 3). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human KLK3 in human prostate carcinoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human KLK3 in human prostate with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-KLK3 antibody	KLK3 (Kallikrein Related Peptidase 3) is a Protein Coding gene. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. It encodes a single-chain glycoprotein, a protease that is synthesized in the epithelial cells of the prostate gland and is present in seminal plasma. KLK3, also known as Prostate Specific Antigen (PSA), kallikrein-related peptidase 3, Gamma-seminoprotein, is a secreted protein of the glandular kallikrein subfamily of serine proteases. KLK3 contains one peptidase S1 domain. KLK3 is a glycoprotein produced almost exclusively by the prostate gland. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.
References	Koistinen H, et al. (2008) Development of peptides specifically modulating the activity of KLK2 and KLK3. Biol Chem. 389(6): 633-42. Yousef GM, et al. (2002) Kallikreins, steroid hormones and ovarian cancer: is there a link? Minerva Endocrinol. 27(3): 157-66. Parikh H, et al. (2011) Fine mapping the KLK3 locus on chromosome 19q13.33 associated with prostate cancer susceptibility and PSA levels. Hum Genet. 129(6): 675-85.

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; C9JXH3; G3V0H4; G3XAE3
Molecular Weight	28,741 Da
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; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/prostate-specific-antigen-klk3-antibody-clone-03-immunohistochemistry-elisa/255152>