

Mouse anti-Human KLK3 Monoclonal Antibody | anti-KLK3 antibody

KLK3 antibody

CATALOG # AAA48104	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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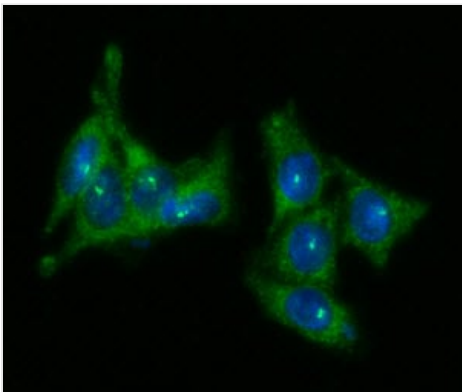
PRODUCT SYNONYMS

KLK3; Monoclonal Antibody; KLK3 antibody; Prostate-specific antigen; APS; hK3; KLK2A1; PSA; anti-KLK3 antibody

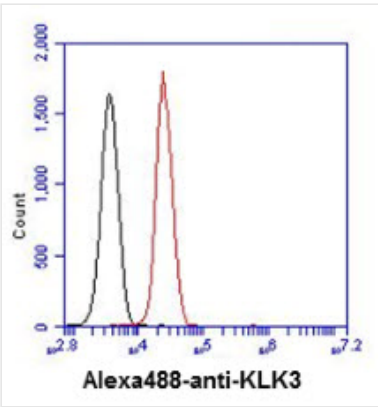
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT1D10
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	252
Applicable Applications for anti-KLK3 antibody	WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KLK3 (25-261aa) purified from E. coli
Clone Note	Anti-human KLK3 mAb, clone AT1D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KLK3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of KLK3 in LNCap cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KLK3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The extracts of PC-3 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KLK3 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK3 antibody	Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland. PSA is present in small quantities in the serum of men with healthy prostates, but is often elevated in the presence of prostate cancer or other prostate disorders. PSA is now used to indicate the presence of semen in forensic serology. The semen of adult males has PSA levels far in excess of those found in other tissues; therefore, a high level of PSA found in a sample is an indicator that semen may be present. Because PSA is a biomarker that is expressed independently of spermatozoa, it remains useful in identifying semen from vasectomized and azoospermic males.
Product Categories/Family for anti-KLK3 antibody	Cancer
References	Balk SP, Ko YJ, Bubley GJ (January 2003). J. Clin. Oncol. 21 (2): 383-91.; Lilja H (November 2003). Urology 62 (5 Suppl 1): 27-33.; Rao AR, Motiwala HG, Karim OM (January 2008). BJU Int. 101 (1): 5-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502199
NCBI GeneID	374
NCBI Accession #	NP_001648
NCBI GenBank Nucleotide #	NM_001657.3
UniProt Accession #	P15514; Q5U026
Molecular Weight	27,895 Da
NCBI Official Full Name	amphiregulin preproprotein
NCBI Official Synonym Full Names	amphiregulin
NCBI Official Symbol	AREG
NCBI Official Synonym Symbols	AR; SDGF; AREGB; CRDGF
NCBI Protein Information	amphiregulin
UniProt Protein Name	Amphiregulin
UniProt Gene Name	AREG
UniProt Synonym Gene Names	CRDGF

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/klk3-antibody-clone-at1d10-western-blot-elisa/48104>