

Mouse anti-Human Prostate Specific Antigen (PSA) Monoclonal Antibody | anti-KLK3 antibody

Prostate Specific Antigen (PSA) Recombinant Mouse Monoclonal Antibody [Clone rKLK3/4753]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215733	Mouse	Human	Immunohistochemistry

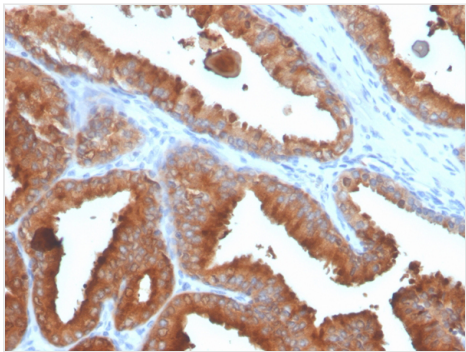
PRODUCT SYNONYMS

Prostate Specific Antigen (PSA); Monoclonal Antibody; Prostate Specific Antigen (PSA) Recombinant Mouse Monoclonal Antibody [Clone rKLK3/4753]; Antigen; prostate-specific (APS); Gamma-seminoprotein; hK3; Kallikrein related peptidase 3; Kallikrein-3 (KLK3); KLK2A1; P-30 antigen; Semenogelase; Semin; anti-KLK3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	rKLK3/4753
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-KLK3 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length human KLK3 (PSA) protein
Cellular Localization	Cytoplasmic
Positive Control	PC12 cells. Normal prostate or prostate carcinoma tissues.
Hu-chromosome Location	19q13.33
Unigene	171995
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PSA Recombinant Mouse Monoclonal Antibody (rKLK3/4753).

ADDITIONAL INFORMATION

Related Product Information for anti-KLK3 antibody	Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This MAb makes an excellent pair with MAb 1A7G6B6 for PSA tests.
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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; 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
UniProt Entry Name	KLK3_HUMAN

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.