

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

PSA Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320207	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSA; Monoclonal Antibody; PSA Monoclonal Antibody; Prostate-specific antigen; KLK3; APS; Gamma-seminoprotein; Seminol; Kallikrein-3; P-30 antigen; Semenogelase; anti-PSA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	PSA Monoclonal Antibody detects endogenous levels of PSA protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-PSA antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of PSA (aa26-251) expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



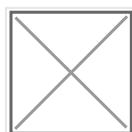
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of PC-3 cells using PSA Monoclonal Antibody (right) and negative control (left).



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissues. showing cytoplasmic localization with DAB staining using PSA Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using PSA Monoclonal Antibody against truncated PSA recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-PSA antibody	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. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the identification and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-PSA antibody	Primary Antibodies

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/psa-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/320207>