

**ARG44690**  
anti-PSA antibodyPackage: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes PSA
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	PSA
Species	Human
Conjugation	Un-conjugated
Alternate Names	Prostate-specific antigen; Gamma-seminoprotein; APS; PSA; EC 3.4.21.77; Kallikrein-3; P-30 antigen; Semenogelase; hK3; Semin; KLK2A1

### Application Instructions

Application table	Application	Dilution
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	KLK3
Gene Full Name	kallikrein-related peptidase 3

## Background

Free prostate specific antigen (fPSA) is the unbound form of PSA. Study has shown that low percentage of fPSA in total PSA (tPSA) is associated with high risk of prostate cancer. Using percentage of fPSA in tPSA can enhance the predication of prostate cancer and avoid unnecessary biopsies in prostate screen.

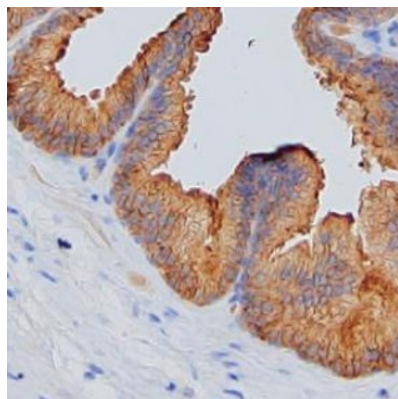
## Function

Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. [UniProt]

## Calculated Mw

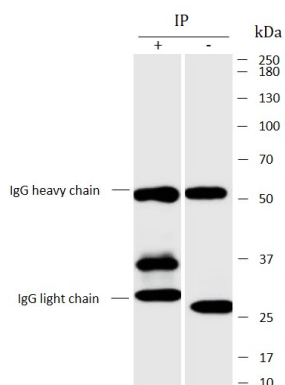
29 kDa

## Images



ARG44690 anti-PSA antibody IHC-P image

Immunohistochemistry: Human prostate stained with ARG44690 anti-PSA antibody at 2  $\mu\text{g}/\text{mL}$  dilution.



ARG44690 anti-PSA antibody IP image

Immunoprecipitation: LNCaP clone FGC lysate immunoprecipitated with 2.5  $\mu\text{g}$  of ARG44690 anti-PSA antibody.