

For Research Use Only

# KLK3/PSA Monoclonal antibody

Catalog Number: 60338-1-Ig **6 Publications**



## Basic Information

<b>Catalog Number:</b> 60338-1-Ig	<b>GenBank Accession Number:</b> BC005307	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1600 ug/ml by Nanodrop and 860 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 354	<b>CloneNo.:</b> 4A1E2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07288	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:5000-1:20000
<b>Isotype:</b> IgG1	<b>Full Name:</b> kallikrein-related peptidase 3	
<b>Immunogen Catalog Number:</b> AG1060	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 30-34 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, IHC : human prostate cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

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. kallikrein-related peptidase 3, which is also called PSA (prostate-specific antigen) in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. KLK3 has 5 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rong Wang	35853851	Cell Death Dis	WB
Bingbing Zhao	37408134	ACS Appl Mater Interfaces	WB
Yalcin Erzurumlu	37271348	Cell Signal	WB

## Storage

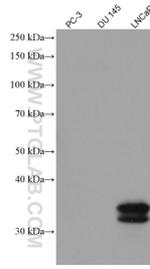
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

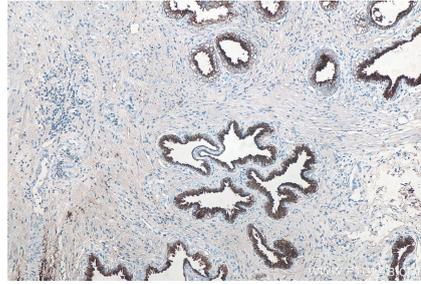
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

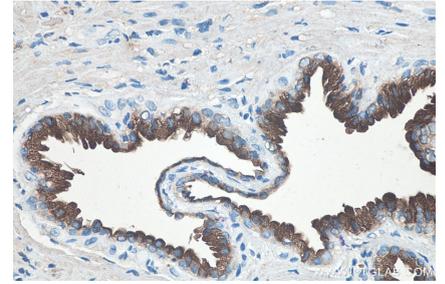
## Selected Validation Data



PC-3(PSA-), DU 145(PSA-) and LNCaP (PSA+) cell lysates were subjected to SDS PAGE followed by western blot with 60338-1-Ig (KLK3/PSA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60338-1-Ig (KLK3/PSA antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60338-1-Ig (KLK3/PSA antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).