

For Research Use Only

# KLK3/PSA Polyclonal antibody

Catalog Number: 10679-1-AP **12 Publications**



## Basic Information

<b>Catalog Number:</b> 10679-1-AP	<b>GenBank Accession Number:</b> BC005307	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 354	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> kallikrein-related peptidase 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 29 kDa	
<b>Immunogen Catalog Number:</b> AG1060	<b>Observed MW:</b> 30-34 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, Transfected HEK-293 cells
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human prostate cancer tissue,
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Hui Ma	31127646	J Cell Biochem	IHC
Juan Li	32245249	Cancers (Basel)	WB
Lijie Zhou	34185414	Clin Transl Med	IHC

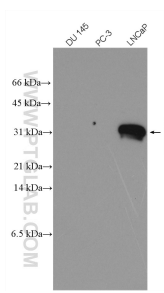
## Storage

**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

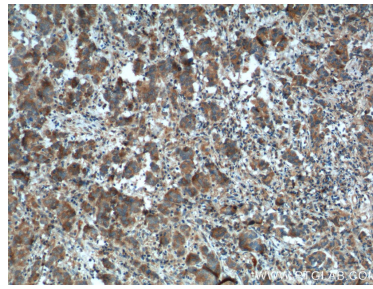
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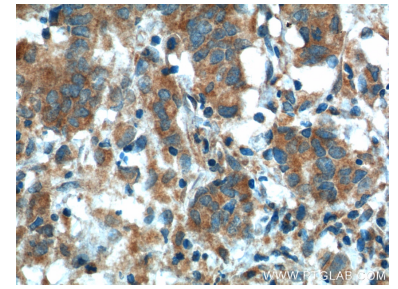
## Selected Validation Data



DU 145(PSA-), PC-3(PSA-) and LNCaP (PSA+) cell lysates were subjected to SDS PAGE followed by western blot with 10679-1-AP (KLK3/PSA antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10679-1-AP (KLK3/PSA antibody at dilution of 1:200 (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 10679-1-AP (KLK3/PSA antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).