

For Research Use Only

# KLK11 Monoclonal antibody

Catalog Number: 67427-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67427-1-Ig	<b>GenBank Accession Number:</b> BC022068	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11012	<b>CloneNo.:</b> 1E2B4
<b>Source:</b> Mouse	<b>Full Name:</b> kallikrein-related peptidase 11	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 250 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG29895	<b>Observed MW:</b> 30-40 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IHC, WB

### Species Specificity:

Human, Pig, Rat

### Cited Species:

human

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

### Positive Controls:

WB : DU 145 cells, pig brain tissue, LNCaP cells, PC-3 cells, Jurkat cells, rat brain tissue

IHC : human breast cancer tissue, human prostate cancer tissue

IF : human breast cancer tissue,

## Background Information

KLK11(Kallikrein-11) is also named as PRSS20, TLSP and belongs to the peptidase S1 family and Kallikrein subfamily. It is a multifunctional protease cleaving several substrates for kallikrein and trypsin and involved in normal physiology processes in bronchus. This full length protein has a signal peptide, a propeptide and four glycosylation sites. It has 4 isoforms produced by alternative splicing with the molecular weight of 31 kDa, 27 kDa, 34 kDa and 30 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ruimin Zhao	33420975	J Bioenerg Biomembr	WB
Yi Ding	37971062	Carcinogenesis	WB,IHC

## Storage

### Storage:

Store at -20°C.

### 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

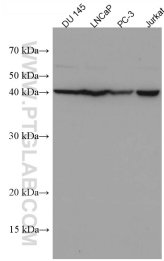
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

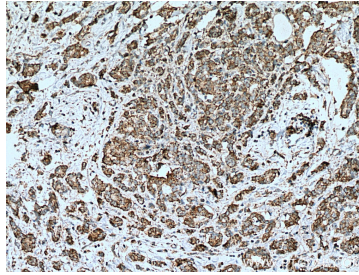
E: proteintech@ptglab.com  
W: ptglab.com

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

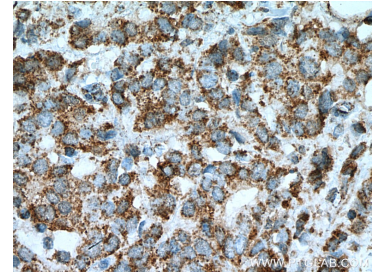
## Selected Validation Data



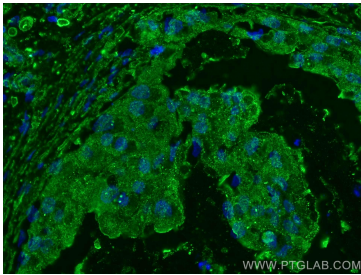
Various lysates were subjected to SDS PAGE followed by western blot with 67427-1-Ig (KLK11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



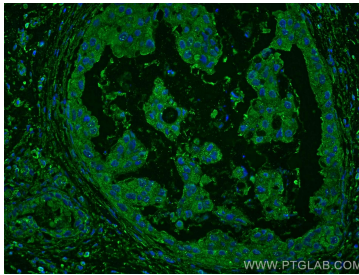
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67427-1-Ig (KLK11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67427-1-Ig (KLK11 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using KLK11 antibody (67427-1-Ig, Clone: 1E2B4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using KLK11 antibody (67427-1-Ig, Clone: 1E2B4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).