

# 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 A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 11012	<b>CloneNo.:</b> 1E2B4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UBX7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> kallikrein-related peptidase 11	
<b>Immunogen Catalog Number:</b> AG29895	<b>Calculated MW:</b> 250 aa, 27 kDa <b>Observed MW:</b> 30-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB:</b> TT cells, DU 145 cells, pig brain tissue, LNCaP cells, PC-3 cells, Jurkat cells, rat brain tissue, A431 cells, HaCaT cells, HT-29 cells, SW 1990 cells, mouse brain tissue, rat skin tissue
<b>Species Specificity:</b> human, mouse, rat, pig	<b>IHC:</b> human breast cancer tissue, human prostate cancer tissue
<b>Cited Species:</b> human	<b>IF-P:</b> human breast cancer tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

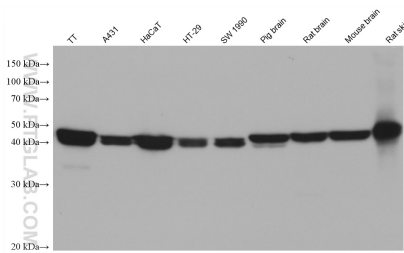
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

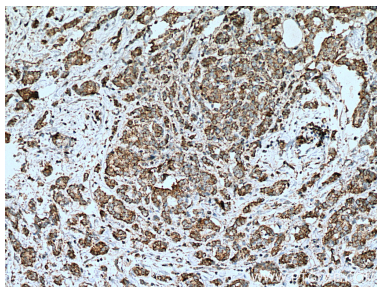
W: [ptgcn.com](http://ptgcn.com)

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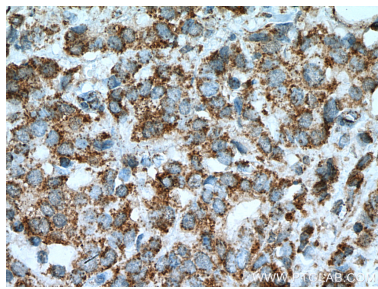
Selected Validation Data



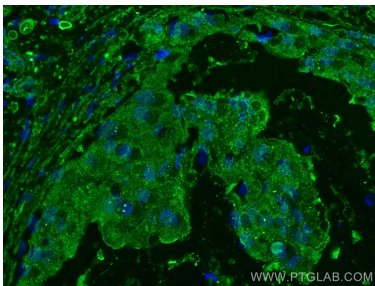
Various lysates were subjected to SDS PAGE followed by western blot with 67427-1-Ig (KLK11 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



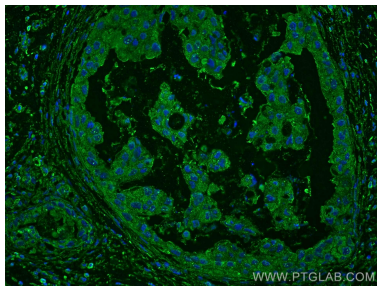
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67427-1-Ig (KLK11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



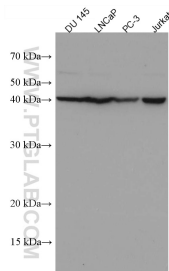
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67427-1-Ig (KLK11 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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.