

For Research Use Only

# Kallikrein 2 Polyclonal antibody

Catalog Number: 10812-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 10812-1-AP	<b>GenBank Accession Number:</b> BC005196	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 ug/ml by Nanodrop and 250 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3817	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20151	
<b>Isotype:</b> IgG	<b>Full Name:</b> kallikrein-related peptidase 2	
<b>Immunogen Catalog Number:</b> AG1077	<b>Calculated MW:</b> 28 kDa	
	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB :</b> mouse pancreas tissue,
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human prostate cancer tissue,
<b>Cited Species:</b> human	

**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

KLK2(Kallikrein-2) is also named as hGK-1 and belongs to the Kallikrein subfamily. It plays a role in prostate cancer susceptibility and this role may be realized at least in part by the induction of increases in its production. It also may mediate tumor growth and invasion by participating in proteolytic cascades. This protein has 4 isoforms produced by alternative splicing with the molecular weight of 29 kDa, 25 kDa, 18 kDa and 17 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shuai Ma	35939916	J Photochem Photobiol B	IHC, WB
Miki Naito	36583514	Cancer Med	WB

## Storage

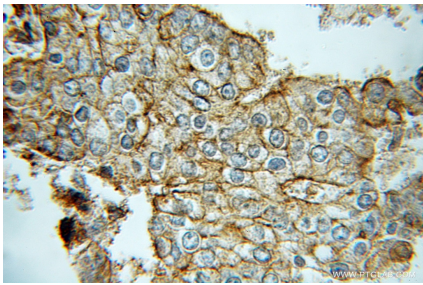
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

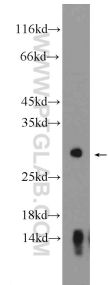
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10812-1-AP (Kallikrein 2 antibody) at dilution of 1:100 (under 10x lens).



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 10812-1-AP (Kallikrein 2 antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.