

For Research Use Only

# Kallikrein 5 Polyclonal antibody

Catalog Number: 10514-2-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 10514-2-AP	<b>GenBank Accession Number:</b> BC008036	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 427 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25818	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y337	
<b>Isotype:</b> IgG	<b>Full Name:</b> kallikrein-related peptidase 5	
<b>Immunogen Catalog Number:</b> AG0799	<b>Calculated MW:</b> 32 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human skin tissue, mouse skin tissue, mouse testis tissue
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human, mouse	
<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

KLK5(Kallikrein-5) is also named as SCTE and belongs to the kallikrein subfamily. This protein is predicted to be a secreted serine protease, and the enzyme is found to have proteolytic activity. In serum and ascites fluid, the protein is present in two forms, one at a relatively lower molecular mass (around 50 kDa), and another one around 150-180 kDa and native KLK5 is highly glycosylated or that it may interact with the gel filtration column, leading to delayed retention(PMID:12873991). The activation of the enzyme has been shown to require cleavage of an arginine residue (Arg66-Ile67), suggesting that a trypsin-like serine protease may be involved in this process(PMID:15713679).

## Notable Publications

Author	Pubmed ID	Journal	Application
Bing Wang	33223519	Cell Death Dis	WB,IHC
Yingzhu Kang	33896830	Cancer Biomark	IHC
Nin Megumi M	19118981	J Dermatol Sci	WB,IF

## Storage

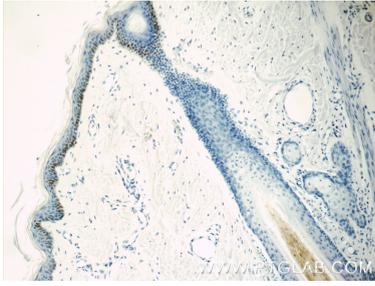
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

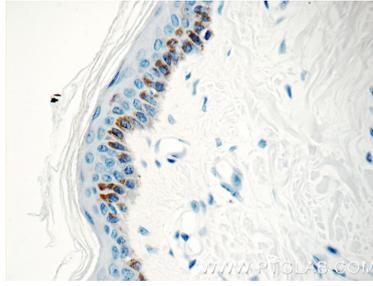
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

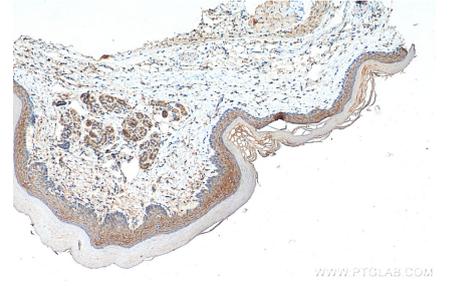
## Selected Validation Data



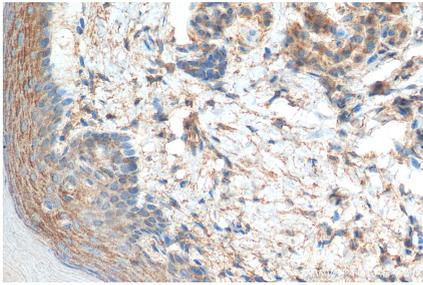
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:50 (under 10x lens).



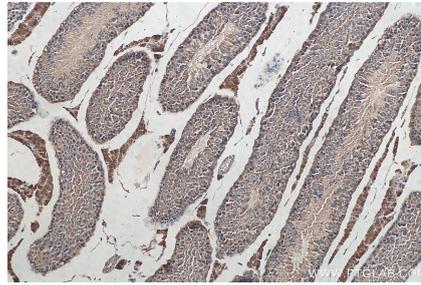
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:50 (under 40x lens).



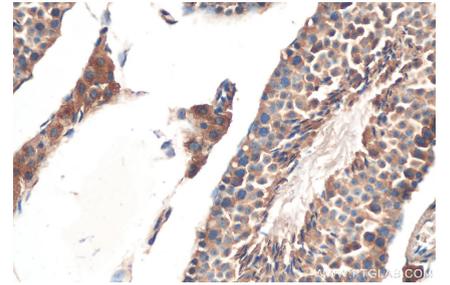
Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10514-2-AP (Kallikrein 5 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 mouse testis tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).