

For Research Use Only

Kallikrein 5 Polyclonal antibody

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



Basic Information

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

Applications

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

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

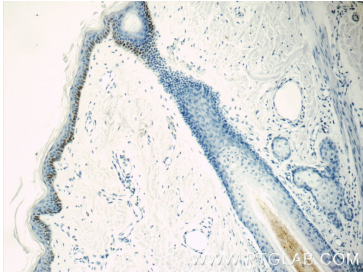
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

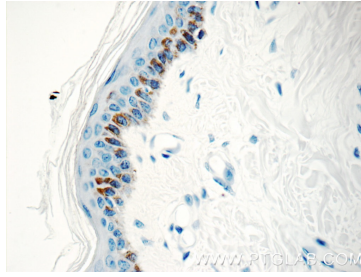
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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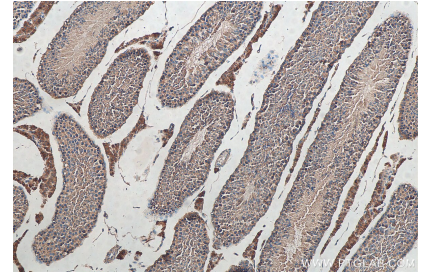
Selected Validation Data



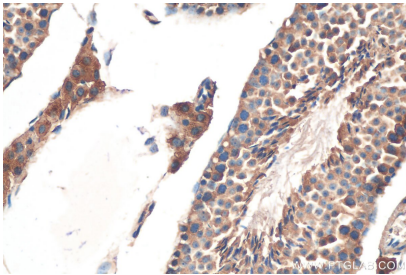
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody at dilution of 1:50 (under 10x lens).



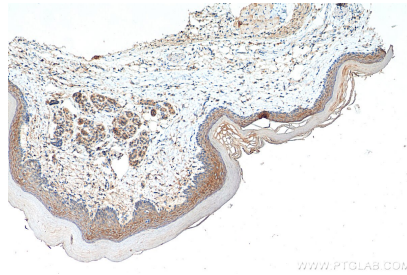
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody at dilution of 1:50 (under 40x lens).



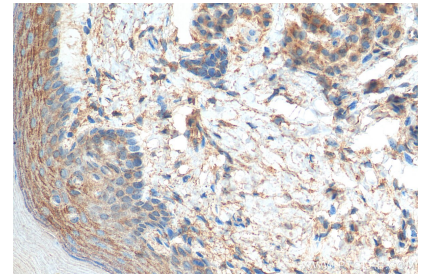
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).