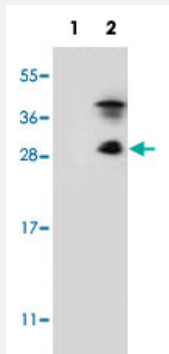


# KLK7 polyclonal antibody

Catalog # PAB4415      Size 400 uL

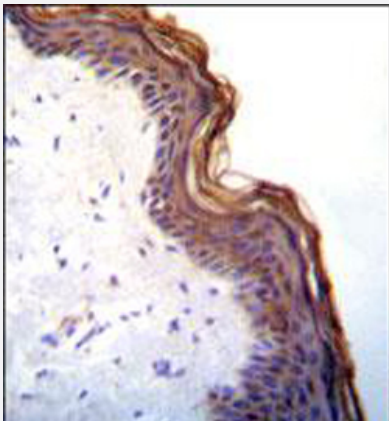
## Applications



### Western Blot (Transfected lysate)

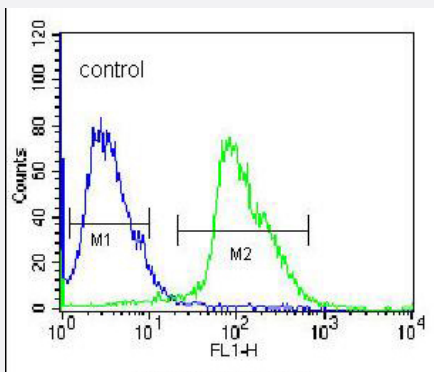
Western blot analysis of KLK7 (arrow) using KLK7 polyclonal antibody (Cat # PAB4415).

293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KLK7 gene (Lane 2).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin fixed and paraffin embedded human skin was performed with KLK7 polyclonal antibody (Cat # PAB4415) at 1:10-1:50 dilution followed by indirect peroxidase conjugation with secondary antibody and DAB staining.



### Flow Cytometry

Flow cytometric analysis of 293 cells (right histogram), compared to a negative control cell (left histogram), was performed with KLK7 polyclonal antibody (Cat # PAB4415) and FITC-conjugated goat-anti-rabbit secondary antibody.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of KLK7.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human KLK7.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Ammonium sulfate precipitation
<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:10-1:50) Flow Cytometry (1:10-1:50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of KLK7 (arrow) using KLK7 polyclonal antibody (Cat # PAB4415).  
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KLK7 gene (Lane 2).

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## Gene Info — KLK7

Entrez GeneID	<a href="#">5650</a>
Protein Accession#	<a href="#">NP_644806:P49862</a>
Gene Name	KLK7
Gene Alias	PRSS6, SCCE
Gene Description	kallikrein-related peptidase 7
Omim ID	<a href="#">604438</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its encoded enzyme is thought to be involved in the proteolysis of intercellular cohesive structures preceding desquamation, which is the shedding of the outermost layer of the epidermis. Alternative splicing of this gene results in two transcript variants encoding the same protein. [provided by RefSeq]
Other Designations	kallikrein 7 (chymotryptic, stratum corneum) protease, serine, 6 signal protein stratum corneum chymotryptic enzyme

## Publication Reference

- [KLK5 and KLK7, two members of the human tissue kallikrein family, are differentially expressed in lung cancer.](#)

Planque C, de Monte M, Guyetant S, Rollin J, Desmazes C, Panel V, Lemarie E, Courty Y.  
 Biochemical and Biophysical Research Communications 2005 Apr; 329(4):1260.
- [LEKTI is localized in lamellar granules, separated from KLK5 and KLK7, and is secreted in the extracellular spaces of the superficial stratum granulosum.](#)

Ishida-Yamamoto A, Deraison C, Bonnart C, Bitoun E, Robinson R, O'Brien TJ, Wakamatsu K, Ohtsubo S, Takahashi H, Hashimoto Y, Dopping-Hepenstal PJ, McGrath JA, Iizuka H, Richard G, Hovnanian A.  
 The Journal of Investigative Dermatology 2005 Feb; 124(2):360.
- [Genetic association between an AACC insertion in the 3'UTR of the stratum corneum chymotryptic enzyme gene and atopic dermatitis.](#)

Vasilopoulos Y, Cork MJ, Murphy R, Williams HC, Robinson DA, Duff GW, Ward SJ, Tazi-Ahnini R.  
 The Journal of Investigative Dermatology 2004 Jul; 123(1):62.

## Disease

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