

**KLK14 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14824A**

**Specification**

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**KLK14 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9P0G3</a>
Other Accession	<a href="#">NP_071329.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29122
Antigen Region	15-44

**KLK14 Antibody (N-term) - Additional Information**

**Gene ID** 43847

**Other Names**

Kallikrein-14, hK14, 3421-, Kallikrein-like protein 6, KLK-L6, KLK14, KLKL6

**Target/Specificity**

This KLK14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-44 amino acids from the N-terminal region of human KLK14.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KLK14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**KLK14 Antibody (N-term) - Protein Information**

**Name** KLK14

**Synonyms** KLKL6

**Function** Serine-type endopeptidase with a dual trypsin-like and chymotrypsin-like substrate specificity. May activate/inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11. May function in seminal clot liquefaction through direct cleavage of the semenogelin SEMG1 and SEMG2 and activation of KLK3. May function through desmoglein DSG1 cleavage in epidermal desquamation a process by which the most superficial corneocytes are shed from the skin surface. May be involved in several aspects of tumor progression including growth, invasion and angiogenesis.

#### **Cellular Location**

Secreted, extracellular space

#### **Tissue Location**

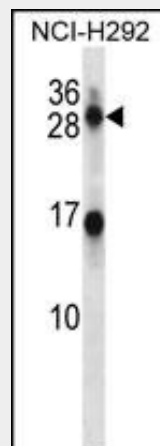
Highly expressed in CNS, bone marrow and fetal liver. Also expressed in breast, thyroid, kidney, colon, pancreas, spleen, prostate, uterus, small intestine, placenta and skeletal muscle. Among 40 tissues tested, the highest expression is detected in skin followed by breast and prostate (at protein level). Expressed in stratum corneum by sweat ducts and sweat glands and detected in sweat (at protein level).

#### **KLK14 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **KLK14 Antibody (N-term) - Images**



KLK14 Antibody (N-term) (Cat. #AP14824a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the KLK14 antibody detected the KLK14 protein (arrow).

#### **KLK14 Antibody (N-term) - Background**

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. An additional transcript variant has been described but its full length nature has not been determined.

#### **KLK14 Antibody (N-term) - References**

- Klein, R.J., et al. *Cancer Prev Res (Phila Pa)* 3(5):611-619(2010)  
Hashem, N.N., et al. *Int. J. Biol. Markers* 25(1):32-37(2010)  
Emami, N., et al. *Biol. Chem.* 390(9):921-929(2009)  
Lai, J., et al. *Mol. Cancer Res.* 7(1):129-141(2009)  
Paliouras, M., et al. *Mol Oncol* 1(4):413-424(2008)