

# KLK9 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57620

## Product Information

---

<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9UKQ9</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	27513
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human KLK9
<b>Epitope Specificity</b>	51-150/250
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Secreted (Probable).
<b>SIMILARITY</b>	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	<p>Kallikrein 9, also known as Kallikrein-Like 3 (KLK-L3), is a chymotrypsin-like serine proteinase. Kallikrein 9 was discovered as the locus for kallikreins on chromosome 19 was more fully mapped and found by similarity to the other tissue kallikreins. Kallikrein 9 has been found in the ovary, thymus, testis, prostate, skin, breast and neuronal tissues and is made by many cell lines in culture. Kallikrein 9 levels in breast cancer and uterine cancer patients have been reported to drop as the disease progresses, thus hK9 might be considered a favorable prognostic marker. Different splice variants of hK9 have been reported, although it is not yet known if they produce functional proteins. The full length Kallikrein 9 encodes for a 250 amino acid protein, with a predicted mass of 27.5 kDa and a pI of 7.53. The 234 amino acid form predicts a protein of 26 kDa with a pI of 9.76 and this quite basic pI might give the shorter form a very different function or localization. The shorter sequence also diverges before the catalytic serine residue, making it unlikely to be proteolytically active. Pre-pro-kallikrein 9 has the 17 amino acid signal sequence is removed before secretion, and the Pro-kallikrein 9 is activated to Kallikrein 9 by removal of the 5 amino acid propeptide domain.</p>

## Additional Information

---

<b>Gene ID</b>	284366
<b>Other Names</b>	Kallikrein-9, 3.4.21.-, Kallikrein-like protein 3, KLK-L3, KLK9

<b>Target/Specificity</b>	Skin, thymus, trachea, cerebellum and spinal cord.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

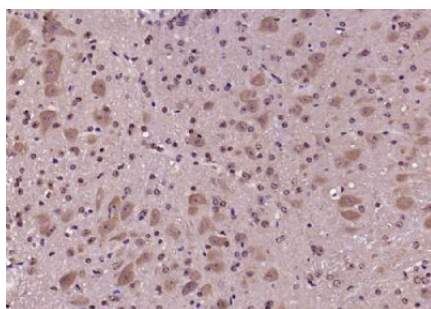
## Protein Information

---

<b>Name</b>	KLK9
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Skin, thymus, trachea, cerebellum and spinal cord.

## Images

---



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLK9) Polyclonal Antibody, Unconjugated (AP57620) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.