

KLKB1 / Plasma Kallikrein Antibody
Sheep Polyclonal Antibody
Catalog # ALS12464**Specification**

KLKB1 / Plasma Kallikrein Antibody - Product Information

Application	IHC
Primary Accession	P03952
Reactivity	Human
Host	Sheep
Clonality	Polyclonal
Calculated MW	71kDa KDa

KLKB1 / Plasma Kallikrein Antibody - Additional Information**Gene ID** 3818**Other Names**

Plasma kallikrein, 3.4.21.34, Fletcher factor, Kininogenin, Plasma prekallikrein, Plasma kallikrein heavy chain, Plasma kallikrein light chain, KLKB1, KLK3

Target/Specificity

Specific for PK as demonstrated by immunoelectrophoresis and ELISA.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

KLKB1 / Plasma Kallikrein Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KLKB1 / Plasma Kallikrein Antibody - Protein Information**Name** KLKB1**Synonyms** KLK3**Function**

Participates in the surface-dependent activation of blood coagulation. Activates, in a reciprocal reaction, coagulation factor XII/F12 after binding to negatively charged surfaces. Releases bradykinin from HMW kininogen and may also play a role in the renin- angiotensin system by converting prorenin into renin.

Cellular Location

Secreted.

Tissue Location

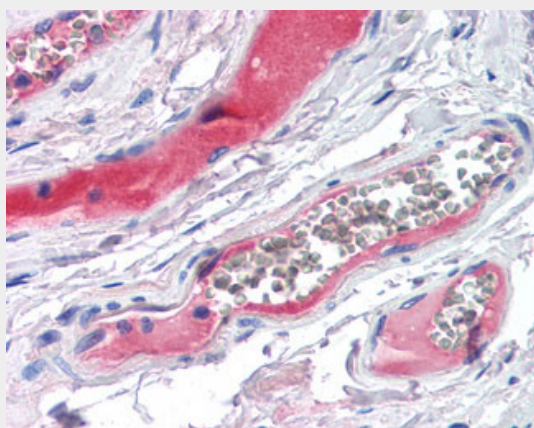
Found in plasma (at protein level).

KLKB1 / Plasma Kallikrein Antibody - 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](#)

KLKB1 / Plasma Kallikrein Antibody - Images



Anti-KLKB1 antibody IHC of human small intestine, vessels.

KLKB1 / Plasma Kallikrein Antibody - Background

The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin system by converting prorenin into renin.

KLKB1 / Plasma Kallikrein Antibody - References

Chung D.W.,et al.Biochemistry 25:2410-2417(1986).
Yu H.,et al.Genomics 69:225-234(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.