

KNG1 / Kininogen / Bradykinin Antibody (aa1-416)
Rabbit Polyclonal Antibody
Catalog # ALS16192**Specification**

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Product Information

Application	WB, ICC, IHC
Primary Accession	P01042
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Additional Information**Gene ID** 3827**Other Names**

Kininogen-1, Alpha-2-thiol proteinase inhibitor, Fitzgerald factor, High molecular weight kininogen, HMWK, Williams-Fitzgerald-Flaujeac factor, Kininogen-1 heavy chain, T-kinin, Ile-Ser-Bradykinin, Bradykinin, Kallidin I, Lysyl-bradykinin, Kallidin II, Kininogen-1 light chain, Low molecular weight growth-promoting factor, KNG1, BDK, KNG

Target/Specificity

Human Kininogen / Bradykinin

Reconstitution & Storage

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) is for research use only and not for use in diagnostic or therapeutic procedures.

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Protein Information**Name** KNG1**Synonyms** BDK, KNG**Function**

Kininogens are inhibitors of thiol proteases. HMW-kininogen plays an important role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII; HMW-kininogen inhibits the thrombin- and plasmin-induced aggregation of thrombocytes. LMW-kininogen inhibits the aggregation of thrombocytes. LMW-kininogen is in contrast to HMW-kininogen not involved in blood clotting.

Cellular Location

Secreted, extracellular space.

Tissue Location

Secreted in plasma. T-kinin is detected in malignant ovarian, colon and breast carcinomas, but not in benign tumors.

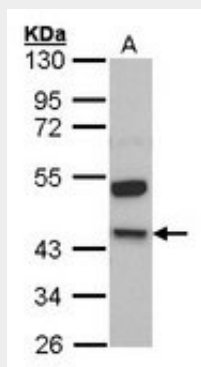
Volume

50 μ l

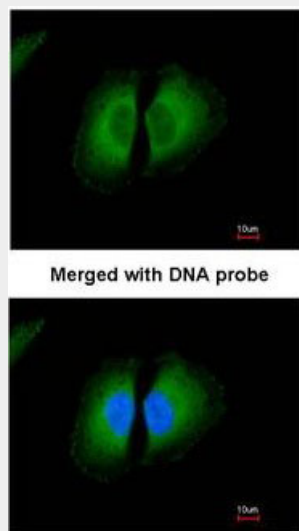
KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Protocols

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

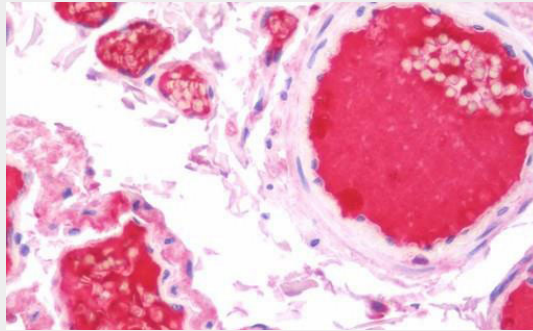
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Images

Sample (30 ug of whole cell lysate).



Immunofluorescence of paraformaldehyde-fixed HeLa using Kininogen-1 antibody at 1:200 dilution.



Anti-KNG1 / Kininogen / Bradykinin antibody IHC staining of human small intestine.

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - Background

(1) Kininogens are inhibitors of thiol proteases; (2) HMW-kininogen plays an important role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII; (3) HMW-kininogen inhibits the thrombin- and plasmin- induced aggregation of thrombocytes; (4) the active peptide bradykinin that is released from HMW-kininogen shows a variety of physiological effects: (4A) influence in smooth muscle contraction, (4B) induction of hypotension, (4C) natriuresis and diuresis, (4D) decrease in blood glucose level, (4E) it is a mediator of inflammation and causes (4E1) increase in vascular permeability, (4E2) stimulation of nociceptors (4E3) release of other mediators of inflammation (e.g. prostaglandins), (4F) it has a cardioprotective effect (directly via bradykinin action, indirectly via endothelium-derived relaxing factor action); (5) LMW-kininogen inhibits the aggregation of thrombocytes; (6) LMW- kininogen is in contrast to HMW-kininogen not involved in blood clotting.

KNG1 / Kininogen / Bradykinin Antibody (aa1-416) - References

Ohkubo I.,et al.Biochemistry 23:5691-5697(1984).
Takagaki Y.,et al.J. Biol. Chem. 260:8601-8609(1985).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).