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Anti-Kininogen-1/KNG1 Antibody

Catalog # ABO11969

Specification

Anti-Kininogen-1/KNG1 Antibody - Product Information

Application	**WB**
Primary Accession	P01042
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Kininogen-1(KNG1) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Kininogen-1/KNG1 Antibody - 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

Calculated MW
71957 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted, extracellular space.

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

Protein Name
Kininogen-1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E.coli-derived human Kininogen 1 recombinant protein (Position: Q19-N210). Human Kininogen 1 shares 63% and 66% amino acid (aa) sequence identity with mouse and rat Kininogen 1,

respectively.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Sequence Similarities
Contains 3 cystatin kininogen-type domains.

Anti-Kininogen-1/KNG1 Antibody - 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.

Anti-Kininogen-1/KNG1 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 Cytomety
- Cell Culture

Anti-Kininogen-1/KNG1 Antibody - Images

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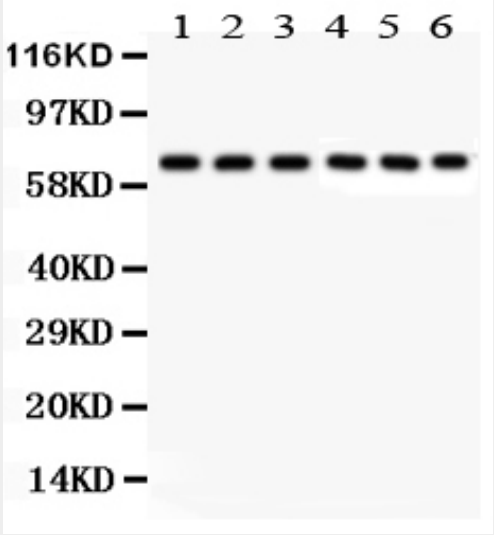

Anti- Kininogen1 Picoband antibody, ABO11969, Western blottingAll lanes: Anti Kininogen1(ABO11969) at 0.5ug/mlLane 1: U87 Whole Cell Lysate at 40ugLane 2: MCF-7 Whole Cell Lysate at 40ugLane 3: SKOV Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugLane 6: Human Placenta Tissue Lysate at 50ugPredicted bind size: 72KDObserved bind size: 72KD

Anti-Kininogen-1/KNG1 Antibody - Background

Kininogen-1 (KNG1), also known as BDK or bradykinin is a protein that in humans is encoded by the KNG1 gene. It is mapped to 3q27.3. The KNG1 gene uses alternative splicing to generate two different proteins â€“ high â€“ molecular - weight kininogen (HMWK) and low - molecular- weight kininogen (LMWK). HMWK is essential for blood coagulation and assembly of the kallikrein-kinin system. Also, KNG1, a peptide causing numerous physiological effects, is released from HMWK. In contrast to HMWK, LMWK is not involved in blood coagulation. In addition to that, KNG1 is a constituent of the blood coagulation system as well as the kinin-kallikrein system.