

Anti-Kininogen-1/KNG1 Antibody

Catalog # ABO12341

Product Information

Application	WB, IHC-P
Primary Accession	O08677
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Kininogen-1(KNG1) detection. Tested with WB, IHC-P in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	16644
Other Names	Kininogen-1, Kininogen-1 heavy chain, Bradykinin, Kininogen-1 light chain, Kng1, Kng
Calculated MW	73102
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse
Subcellular Localization	Secreted, extracellular space.
Tissue Specificity	Plasma.
Source	Eukaryota
Protein Name	Kininogen-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse Kininogen 1 (227-259aa ECRGNLFMDINN KIANFSQSCTLYSGDDLVEA L), different from the related rat sequence by thirteen amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, 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.
----------------	--

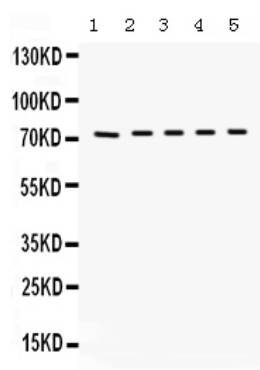
Protein Information

Name	Kng1
Synonyms	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	Plasma.

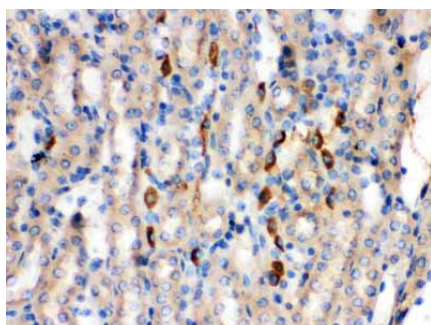
Background

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 – high – 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.

Images



Anti- Kininogen 1 Picoband antibody, ABO12341, Western blotting
 All lanes: Anti Kininogen 1 (ABO12341) at 0.5ug/ml
 Lane 1: Mouse Lung Tissue Lysate at 50ug
 Lane 2: Mouse Testis Tissue Lysate at 50ug
 Lane 3: Mouse Liver Tissue Lysate at 50ug
 Lane 4: HEPA Whole Cell Lysate at 40ug
 Lane 5: NEURO Whole Cell Lysate at 40ug
 Predicted bind size: 73KD
 Observed bind size: 73KD



Anti- Kininogen 1 Picoband antibody, ABO12341,
 IHC(P)
 IHC(P): Mouse Kidney Tissue

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