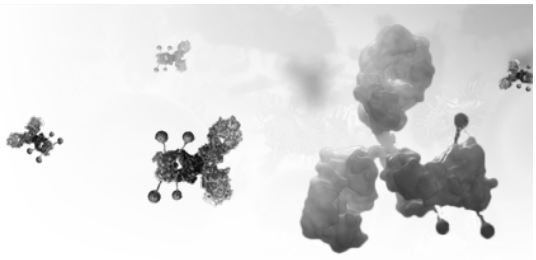

Mouse Anti-Human Kininogen 1 monoclonal antibody, clone NN17 (CABT-ZB614)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Kininogen 1
Target	KNG1
Immunogen	Recombinant Human KNG1/Kininogen 1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN17
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB614 - CABT-ZB964 This antibody will detect Kininogen 1 in antibody pair set. [ABPR-ZB192]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human KNG1 / Kininogen 1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Kininogen-1, also known as high molecular weight kininogen, Williams-Fitzgerald-Flaujeac factor, Alpha-2-thiol proteinase inhibitor, Fitzgerald factor, KNG1, and BDK, is a secreted protein that contains three cystatin domains. Kininogen-1/KNG1 is a protein from the blood coagulation system as well as the kinin-kallikrein system. It is a protein that adsorbs to the surface of biomaterials that come in contact with blood. Kininogen-1/KNG1 circulates throughout the blood and quickly adsorbs to the material surfaces. Kininogen-1/KNG1 is one of the early participants of the intrinsic pathway of coagulation, together with Factor XII (Hageman factor) and prekallikrein. Kininogen-1/KNG1 is one of the kininogens, a class of proteins. As with many other coagulation proteins, the protein was initially named after the patients in whom deficiency was first observed. When the clinical data were combined, it turned out that all patients had a deficiency of the same protein. Defects in KNG1 are the cause of high molecular weight kininogen deficiency (HMWK deficiency) which is an autosomal recessive coagulation defect. Patients with HWMK deficiency do not have a hemorrhagic tendency, but they exhibit abnormal surface-mediated activation of fibrinolysis.
Keywords	KNG1; kininogen 1; BK; BDK

GENE INFORMATION

Synonyms	KNG1; kininogen 1; BK; BDK; KNG; kininogen-1; HMWK; bradykinin; fitzgerald factor; high molecular weight kininogen; alpha-2-thiol proteinase inhibitor; williams-Fitzgerald-Flaujeac factor
Entrez Gene ID	3827
UniProt ID	P01042

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