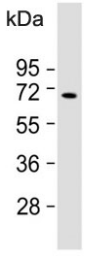
KNG1 Antibody / Kininogen 1 / Bradykinin (F54608)

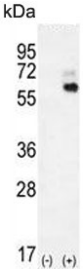
Catalog No.	Formulation	Size
F54608-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54608-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

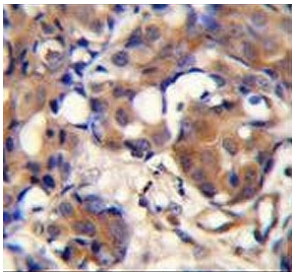
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P01042
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This KNG1 antibody is available for research use only.



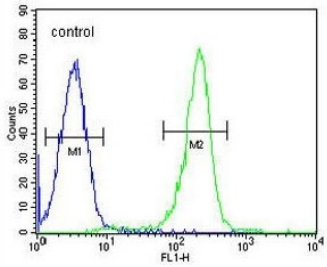
Western blot testing of human Ramos cell lysate with KNG1 antibody. Predicted molecular weight ~72 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with KNG1 antibody. Predicted molecular weight ~72 kDa.



IHC testing of FFPE human breast carcinoma tissue with KNG1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human Ramos cells with KNG1 antibody; Blue=isotype control, Green= KNG1 antibody.

Description

This 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, bradykinin, a peptide causing numerous physiological effects, is released from HMWK. In contrast to HMWK, LMWK is not involved in blood coagulation. Three transcript variants encoding different isoforms have been found for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the KNG1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 138-166 from the human protein was used as the immunogen for the KNG1 antibody.

Storage

Aliquot the KNG1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.