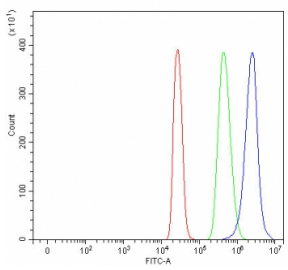
Heparin cofactor 2 Antibody / HC-II / SERPIND1 (RQ8122)

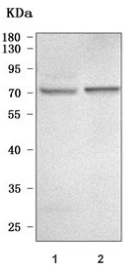
Catalog No.	Formulation	Size
RQ8122	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P05546
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Heparin cofactor 2 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human 293T cells with Heparin cofactor 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Heparin cofactor 2 antibody.



Western blot testing of human 1) 293T and 2) HepG2 cell lysate with Heparin cofactor 2 antibody. Predicted molecular weight ~57 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Heparin cofactor II (HCII), a protein encoded by the SERPIND1 gene, is a coagulation factor that inhibits IIa, and is a cofactor for heparin and dermatan sulfate (minor antithrombin). This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency.

Application Notes

Optimal dilution of the Heparin cofactor 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D90-S499) was used as the immunogen for the Heparin cofactor 2 antibody.

Storage

After reconstitution, the Heparin cofactor 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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