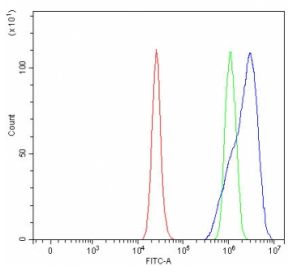
Prolargin Antibody / PRELP (RQ8143)

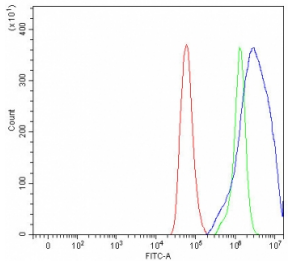
Catalog No.	Formulation	Size
RQ8143	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

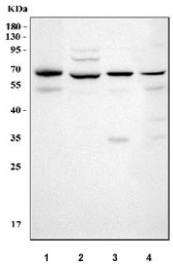
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51888
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Prolargin antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human RT4 cells with Prolargin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Prolargin antibody.



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



Western blot testing of 1) human HaCaT, 2) human U-251, 3) rat liver and 4) mouse lung tissue lysate with Prolargin antibody. Predicted molecular weight ~44 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Prolargin is a protein that in humans is encoded by the PRELP gene. The protein encoded by this gene is a leucine-rich repeat protein present in connective tissue extracellular matrix. This protein functions as a molecule anchoring basement membranes to the underlying connective tissue. This protein has been shown to bind type I collagen to basement membranes and type II collagen to cartilage. It also binds the basement membrane heparan sulfate proteoglycan perlecan. This protein is suggested to be involved in the pathogenesis of Hutchinson-Gilford progeria (HGP), which is reported to lack the binding of collagen in basement membranes and cartilage. Alternatively spliced transcript variants encoding the same protein have been observed.

Application Notes

Optimal dilution of the Prolargin antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids I69-R353) was used as the immunogen for the Prolargin antibody.

Storage

After reconstitution, the Prolargin 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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