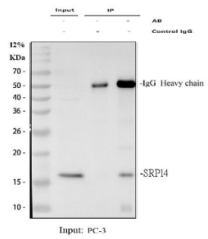
SRP14 Antibody / Signal recognition particle 14 kDa protein (RQ8913)

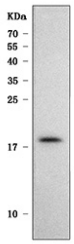
Catalog No.	Formulation	Size
RQ8913	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

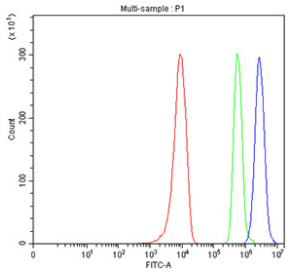
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P37108
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Immunoprecipitation: 2ug per 500ug of lysate
Limitations	This SRP14 antibody is available for research use only.



Immunoprecipitation of SRP14 protein from 500ug of human PC-3 whole cell lysate with 2ug of SRP14 antibody.



Western blot testing of human HeLa cell lysate with SRP14 antibody. Expected molecular weight ~15 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with SRP14 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SRP14 antibody.

Description

SRP14 protein, also known as Signal recognition particle 14 kDa protein, is an essential subunit of the signal recognition particle complex. This protein plays a vital role in directing newly synthesized proteins to the endoplasmic reticulum during translation, ensuring proper folding and processing of secretory and membrane proteins.

SRP14 is highly conserved across species and contributes to the regulation of ribosome targeting. Dysregulation of this protein has been linked to defects in protein localization and cellular stress responses. Researchers rely on SRP14 antibody tools to explore its role in co-translational targeting pathways and to better understand protein trafficking.

The use of SRP14 antibody is valuable in applications such as western blot, immunoprecipitation, and immunofluorescence. NSJ Bioreagents provides SRP14 antibody products designed to support reliable detection and research needs.

Application Notes

Optimal dilution of the SRP14 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-D92) was used as the immunogen for the SRP14 antibody.

Storage

After reconstitution, the SRP14 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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