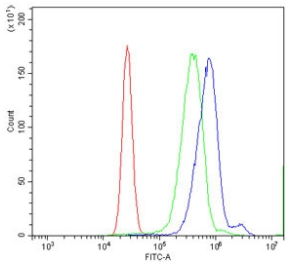
Sentrin-specific protease 1 Antibody / SENP1 [clone 5F4] (RQ6752)

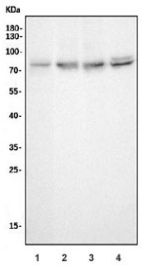
Catalog No.	Formulation	Size
RQ6752	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	5F4
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9P0U3
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Sentrin-specific protease 1 antibody is available for research use only.



Flow cytometry testing of human K562 cells with Sentrin-specific protease 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Sentrin-specific protease 1 antibody.



Western blot testing of human 1) HeLa, 2) Raji, 3) Jurkat and 4) U-87 MG cell lysate with Sentrin-specific protease 1 antibody. Predicted molecular weight ~73 kDa.

Description

Sentrin-specific protease 1 is a protein that in human is encoded by the SENP1 gene. This gene is mapped to 12q13.11. This gene encodes a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. This protease regulates SUMO pathways by deconjugating sumoylated proteins. This protease also functions to process the precursor SUMO proteins into their mature form. Alternate splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Sentrin-specific protease 1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N19-P619) was used as the immunogen for the Sentrin-specific protease 1 antibody.

Storage

After reconstitution, the Sentrin-specific protease 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.