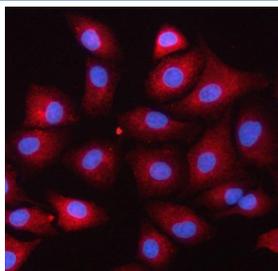


## Serpin B9 Antibody / SERPINB9 (RQ8136)

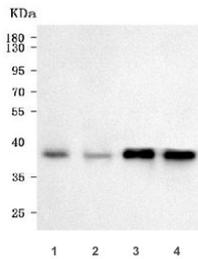
Catalog No.	Formulation	Size
RQ8136	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

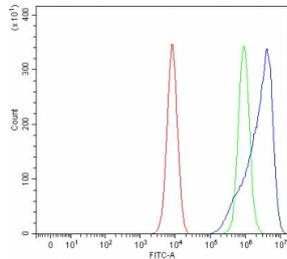
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P50453
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Serpin B9 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Serpin B9 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) K562, 2) placenta, 3) Daudi and 4) Raji cell lysate with Serpin B9 antibody. Predicted molecular weight ~42 kDa.



Flow cytometry testing of fixed and permeabilized human K562 cells with Serpin B9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Serpin B9 antibody.

## Description

Serpin B9 is a protein that in humans is encoded by the SERPINB9 gene. This gene encodes a member of the serine protease inhibitor family which are also known as serpins. The encoded protein belongs to a subfamily of intracellular serpins. This protein inhibits the activity of the effector molecule granzyme B. Overexpression of this protein may prevent cytotoxic T-lymphocytes from eliminating certain tumor cells. A pseudogene of this gene is found on chromosome 6.

## Application Notes

Optimal dilution of the Serpin B9 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids D176-K313) was used as the immunogen for the Serpin B9 antibody.

## Storage

After reconstitution, the Serpin B9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.