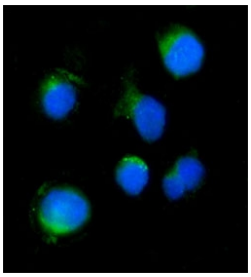
Aigp1 Antibody / Serinc3 (RQ6363)

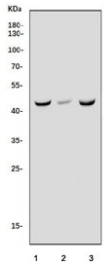
Catalog No.	Formulation	Size
RQ6363	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

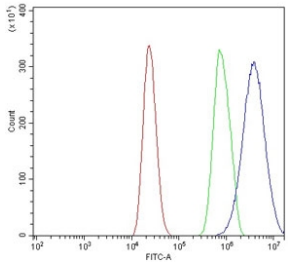
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9QZI9
Localization	Cytoplasmic, cell membrane
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Aigp1 antibody is available for research use only.



Immunofluorescent staining of FFPE mouse HEPA1-6 cells with Aigp1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat liver, 2) rat kidney and 3) mouse liver lysate with Aigp1 antibody. Predicted molecular weight ~53 kDa.



Flow cytometry testing of mouse RAW264.7 cells with Aigp1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Aigp1 antibody.

Description

Serine incorporator 3 / Axotomy-induced glycoprotein 1 is a protein that in humans is encoded by the SERINC3 gene. Also found on the membranes of the Golgi apparatus within cells, Axotomy-induced glycoprotein 1 is highly expressed in neuronal populations but is also found in thymus, kidney, liver and testis. Expression levels in tumors can be as much as tenfold the amount found in normal tissue of the same type. This increased expression implicates Axotomy-induced glycoprotein 1 as being involved in the cellular transformation from normal to malignant tissue. It is believed it contributes to oncogenesis by partially protecting cells from serum starvation and etoposide-induced apoptosis.

Application Notes

Optimal dilution of the Aigp1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids E59-Y404) was used as the immunogen for the Aigp1 antibody.

Storage

After reconstitution, the Aigp1 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