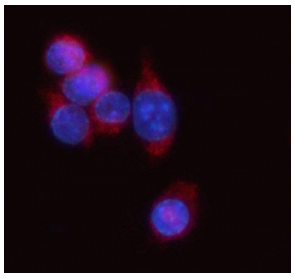
Antigen peptide transporter 1 Antibody / Apt1 / Tap1 (RQ7755)

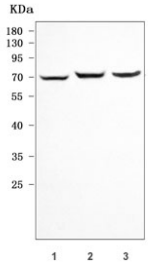
Catalog No.	Formulation	Size
RQ7755	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

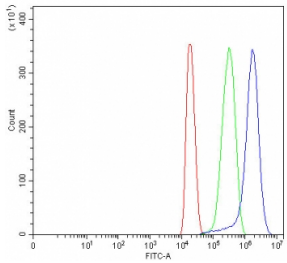
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21958
Localization	Cytoplasmic (ER)
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Antigen peptide transporter 1 antibody is available for research use only.



Immunofluorescent staining of FFPE mouse RAW264.7 cells with Antigen peptide transporter 1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat PC-12, 2) rat thymus and 3) mouse RAW264.7 cell lysate with Antigen peptide transporter 1 antibody. Predicted molecular weight ~79 kDa.



Flow cytometry testing of mouse HEPA1-6 cells with Antigen peptide transporter 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Antigen peptide transporter 1 antibody.

Description

Transporter associated with antigen processing 1 (TAP1) is a protein that in humans is encoded by the TAP1 gene. The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. This protein forms a heterodimer with Tap2 that transports short peptides from the cytosol into the endoplasmic reticulum lumen. Mutations in the human gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Antigen peptide transporter 1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant mouse protein (amino acids E218-D724) was used as the immunogen for the Antigen peptide transporter 1 antibody.

Storage

After reconstitution, the Antigen peptide transporter 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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