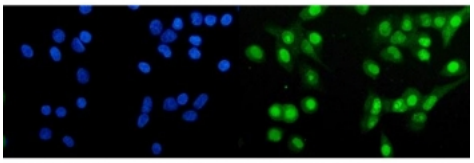
Huntingtin-associated protein 1 Antibody / HAP1 (RQ6318)

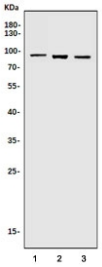
Catalog No.	Formulation	Size
RQ6318	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

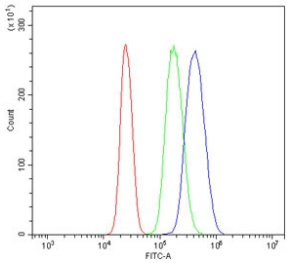
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P54257
Applications	Western blot: 0.5-1ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Huntingtin-associated protein 1 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Huntingtin-associated protein 1 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) mouse liver and 3) mouse Neuro-2a lysate with Huntingtin-associated protein 1 antibody. Predicted molecular weight ~76 kDa, routinely observed at 76-100 kDa.



Flow cytometry testing of human U937 cells with Huntingtin-associated protein 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Huntingtin-associated protein 1 antibody.

Description

Huntingtin-associated protein 1 (HAP1) is a protein which in humans is encoded by the HAP1 gene. Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein that interacts with huntingtin, with two cytoskeletal proteins (dynactin and pericentriolar autoantigen protein 1), and with a hepatocyte growth factor-regulated tyrosine kinase substrate. The interactions with cytoskeletal proteins and a kinase substrate suggest a role for this protein in vesicular trafficking or organelle transport. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Application Notes

Optimal dilution of the Huntingtin-associated protein 1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-R671) was used as the immunogen for the Huntingtin-associated protein 1 antibody.

Storage

After reconstitution, the Huntingtin-associated protein 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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