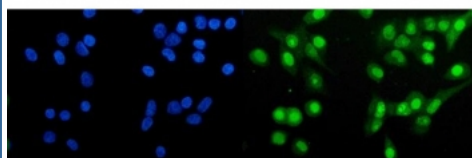


## Huntingtin-associated protein 1 Antibody / HAP1 (RQ6318)

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

**Bulk quote request**

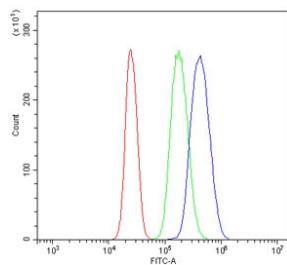
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P54257
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.