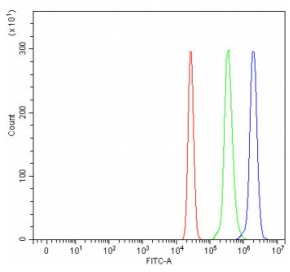
Optic atrophy 3 Antibody / OPA3 (RQ7899)

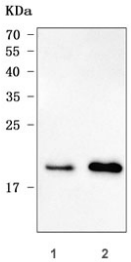
Catalog No.	Formulation	Size
RQ7899	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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	Q9H6K4
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Optic atrophy 3 antibody is available for research use only.



Flow cytometry testing of human U937 cells with Optic atrophy 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Optic atrophy 3 antibody.



Western blot testing of human 1) 293T and 2) A549 cell lysate with Optic atrophy 3 antibody. Predicted molecular weight ~20 kDa.

Description

Optic atrophy 3 protein is a protein that in humans is encoded by the OPA3 gene. The mouse ortholog of this protein co-purifies with the mitochondrial inner membrane. Mutations in this gene have been shown to result in 3-methylglutaconic aciduria type III and autosomal dominant optic atrophy and cataract. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Optic atrophy 3 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-K179) was used as the immunogen for the Optic atrophy 3 antibody.

Storage

After reconstitution, the Optic atrophy 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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