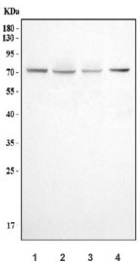
Dynamin-1-like protein Antibody / DNM1L / DRP1 (RQ7074)

Catalog No.	Formulation	Size
RQ7074	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, 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	O00429
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Dynamin-1-like protein antibody is available for research use only.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) human A549 and 4) rat heart tissue lysate with Dynamin-1-like protein antibody. Predicted molecular weight: 60-84 kDa (multiple isoforms).

Description

Dynamin-1-like protein is a GTPase that regulates mitochondrial fission. In humans, dynamin-1-like protein, which is typically referred to as dynamin-related protein 1 (Drp1), is encoded by the DNM1L gene. The encoded protein mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis. Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF). Alternative splicing results in multiple transcript variants encoding different

isoforms.

Application Notes

Optimal dilution of the Dynamin-1-like protein antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q452-W736) was used as the immunogen for the Dynamin-1-like protein antibody.

Storage

After reconstitution, the Dynamin-1-like protein 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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