Product Datasheet

OPA1 Rabbit mAb

Catalog No: #49680

Package Size: #49680-1 50ul #49680-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	OPA1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM81-35
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	Dynamin like 120 kDa protein antibody Dynamin like 120 kDa protein, mitochondrial antibody Dynamin-like 120 kDa protein, form S1 antibody FLJ12460 antibody Juvenile kjer type optic atrophy antibody KIAA0567 antibody KJER type antibody Large GTP binding protein antibody largeG antibody MGM1 antibody Mitochondrial dynamin like 120 kDa protein antibody Mitochondrial dynamin like GTPase antibody NPG antibody NTG antibody OAK antibody OPA 1 antibody opa1 antibody OPA1 gene antibody OPA1_HUMAN antibody Optic atrophy 1 (autosomal dominant) antibody OPTIC ATROPHY 1 antibody Optic atrophy 1 gene protein antibody Optic atrophy 1 homolog (human) antibody Optic atrophy protein 1 antibody Optic atrophy protein 1 homolog antibody
Accession No.	Swiss-Prot#:O60313
Calculated MW	85 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1000IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

Background

OPA1 is a cause of optic atrophy type 1. OPA1 is mostly expressed in the mitochondrial biogenesis. OPA1 is a cause of optic atrophy type 1. OPA1 is mostly expressed In retina but can also be expressed in brain, testis, heart and skeletal muscles.

References

1. Schatton D et al. CLUH regulates mitochondrial metabolism by controlling translation and decay of target mRNAs. J Cell Biol 216:675-693 (2017).
2. Riba A et al. Doxycycline protects against ROS-induced mitochondrial fragmentation and ISO-induced heart failure. PLoS One 12:e0175195 (2017).

Published Papers

Jinhuan Qiu el at., A Novel CYP2E1 Inhibitor, 4β • Methylβ • 5β • Acetylthiazole (Q11), Alleviates Obesity Via Modulating Adipose Inflammation

and Mitochondrial Dysfunction, Advanced Science, (2025)
PMID:41420839

Note: This product is for in vitro research use only and is not intended for use in humans or animals.