

OPA1 polyclonal antibody (A01)

Catalog # H00004976-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant OPA1.
Immunogen	OPA1 (NP_056375, 851 a.a. ~ 960 a.a) partial recombinant protein with GST tag.
Sequence	NHCNLCRRGFYYYQRHFVDSELECNDVVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVLE DFAEDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEALHQEK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — OPA1

Entrez GeneID	4976
GeneBank Accession#	NM_015560
Protein Accession#	NP_056375
Gene Name	OPA1
Gene Alias	FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG

Gene Description	optic atrophy 1 (autosomal dominant)
Omim ID	125250 165500 605290 606657
Gene Ontology	Hyperlink
Gene Summary	This gene product is a nuclear-encoded mitochondrial protein with similarity to dynamin-related GTPases. It is a component of the mitochondrial network. Mutations in this gene have been associated with optic atrophy type 1, which is a dominantly inherited optic neuropathy resulting in progressive loss of visual acuity, leading in many cases to legal blindness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000195065 mitochondrial dynamin-like GTPase optic atrophy 1

Publication Reference

- [The Molecular Mechanisms of OPA1-Mediated Optic Atrophy in Drosophila Model and Prospects for Antioxidant Treatment.](#)

Yarosh W, Monserrate J, Tong JJ, Tse S, Le PK, Nguyen K, Brachmann CB, Wallace DC, Huang T.

PLoS Genetics 2008 Jan; 4(1):e6.

Application: WB-Ti, Drosophila, Drosophila tissue lysates

Disease

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Leber hereditary optic neuropathy](#)
- [Low Tension Glaucoma](#)
- [Ocular Hypertension](#)
- [Optic Atrophies](#)
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