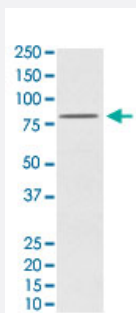


# OPA1 monoclonal antibody, clone ACGD-15

Catalog # MAB22051

Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

## Specification

|                            |                                                                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic protein of human OPA1.                                                                                                                                                                                                                                |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human OPA1.                                                                                                                                                                                                                                                          |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>         | This antibody reacts with human, mouse, rat OPA1, in native form and recombinant. Superfamily members of OPA1 are not reactive to antibody.                                                                                                                                                               |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                    |
| <b>Purification</b>        | Affinity purification                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                                                       |
| <b>Recommend Usage</b>     | <p>Flow Cytometry (1:50)</p> <p>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200)</p> <p>Immunofluorescence (1:50-200)</p> <p>Immunocytochemistry (1:50-200)</p> <p>Western Blot (1:500-2000)</p> <p>The optimal working dilution should be determined by the end user.</p> |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                        |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

## Gene Info — OPA1

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">4976</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Accession# | <a href="#">O60313</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | OPA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias         | FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description   | optic atrophy 1 (autosomal dominant)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Omim ID            | <a href="#">125250</a> <a href="#">165500</a> <a href="#">605290</a> <a href="#">606657</a>                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Disease

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