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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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OPA1 monoclonal antibody (M02), clone 8A20

Catalog # : H00004976-M02

規格 : [100 ug]

List All

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant OPA1.

Immunogen: OPA1 (NP_056375, 851 a.a. ~ 960 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

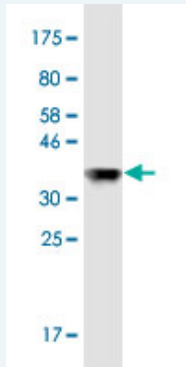
Sequence: NHCNLCRRGFYYYQRHFVDSELECNDVWLFWRIQRMLAITANTLRQQLT NTEVRRLEKNVKEVLEDF AEDGEEKIKLLTGKRVQLAEDLKKVREIQEKL DAFIEALHQEK

Host: Mouse

Reactivity: Human, Rat

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

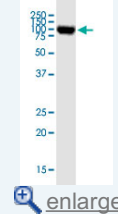
Datasheet: [Download](#)

Applications

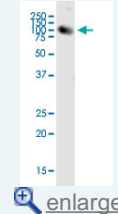
Western Blot (Tissue lysate)

Application Image

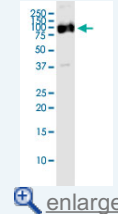
Western Blot (Tissue lysate)



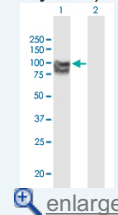
Western Blot (Tissue lysate)



Western Blot (Cell lysate)

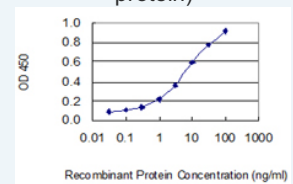


Western Blot (Transfected lysate)

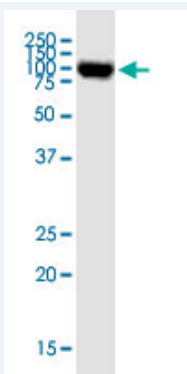


Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



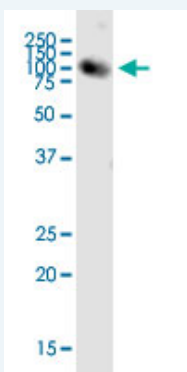
ELISA



OPA1 monoclonal antibody (M02), clone 8A20. Western Blot analysis of OPA1 expression in human ovarian cancer.

 [Protocol Download](#)

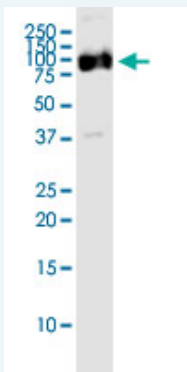
Western Blot (Tissue lysate)



OPA1 monoclonal antibody (M02), clone 8A20. Western Blot analysis of OPA1 expression in rat brain.

 [Protocol Download](#)

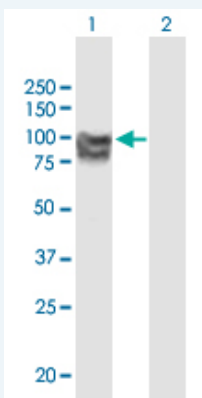
Western Blot (Cell lysate)



OPA1 monoclonal antibody (M02), clone 8A20. Western Blot analysis of OPA1 expression in Daoy.

 [Protocol Download](#)

Western Blot (Transfected lysate)



Western Blot analysis of OPA1 expression in transfected 293T cell line by OPA1 monoclonal antibody (M02), clone 8A20.

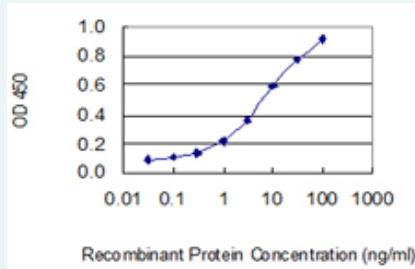
Lane 1: OPA1 transfected lysate (Predicted MW: 111.6 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)


Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged OPA1 is 0.1 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [4976](#)

GeneBank [NM_015560](#)

Accession#:

Protein [NP_056375](#)

Accession#:

Gene Name: OPA1

Gene Alias: FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG

Gene optic atrophy 1 (autosomal dominant)

Description:

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

Related Disease

[Genetic Predisposition to Disease](#) [Glaucoma](#) [Glaucoma](#) [Glaucoma, Open-Angle](#) [Leber hereditary optic neuropathy](#) [Low Tension Glaucoma](#) [Ocular Hypertension](#) [Optic Atrophies, Hereditary](#) [Optic Atrophy](#) [Optic Atrophy, Autosomal Dominant](#) [Optic Atrophy, Hereditary](#), [Leber](#)

