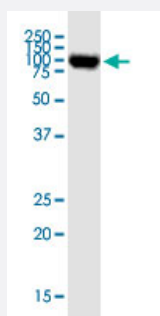


OPA1 monoclonal antibody (M02), clone 8A20

Catalog # H00004976-M02

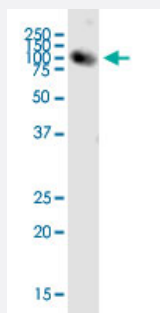
Size 100 ug

Applications



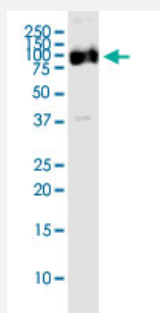
Western Blot (Tissue lysate)

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



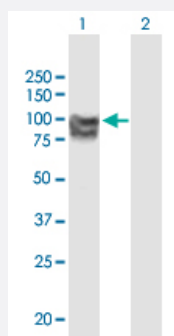
Western Blot (Tissue lysate)

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



Western Blot (Cell lysate)

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



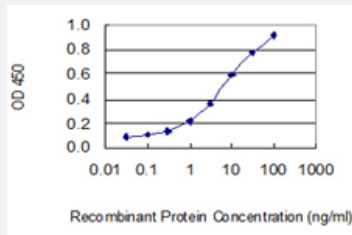
Western Blot (Transfected lysate)

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

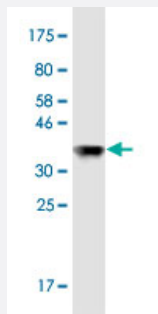
Lane 1: OPA1 transfected lysate (Predicted MW: 111.6 kDa).

Lane 2: Non-transfected lysate.

Sandwich ELISA (Recombinant protein)



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



Western Blot detection against Immunogen (37.84 KDa) .

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	NHCNLCRRGFYYYQRHFVDSELECNDVVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVLE DFAEDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEALHQEK
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.

Applications

- Western Blot (Tissue lysate)

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 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

Disease

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