

## OPA1 Rabbit Polyclonal Antibody

Catalog No: #55619

Package Size: #55619-1 50ul #55619-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	OPA1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human OPA1 (NP_056375.2).
Other Names	OPA1;BERHS;MGM1;MTDPS14;NPG;NTG;largeG
Accession No.	Uniprot:O60313GeneID:4976
Calculated MW	111kDa/115kDa
SDS-PAGE MW	80KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

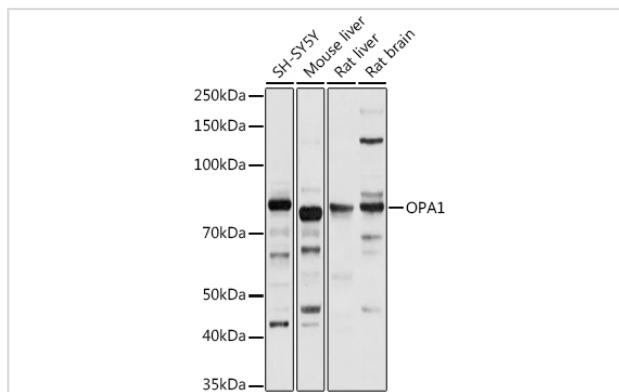
## Application Details

WB □ 1:500 - 1:2000

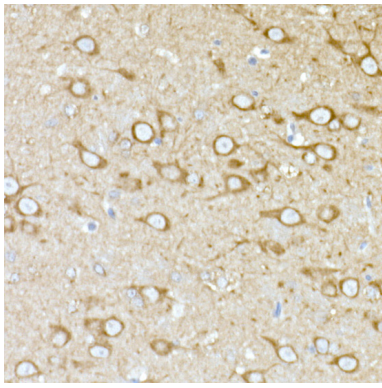
IHC □ 1:50 - 1:200

IF 1:50 - 1:200

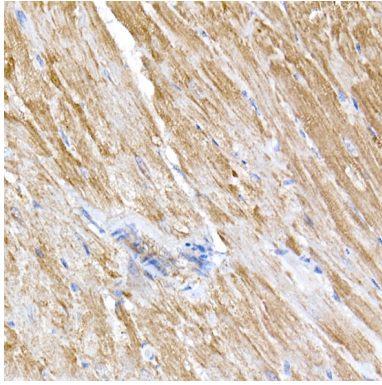
## Images



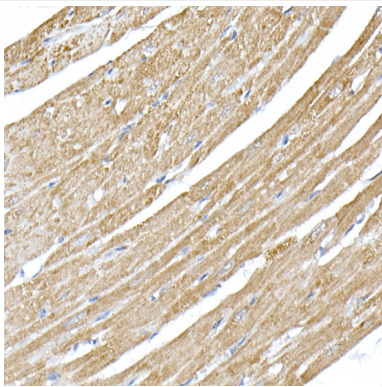
Western blot analysis of extracts of various cell lines, using OPA1 antibody.



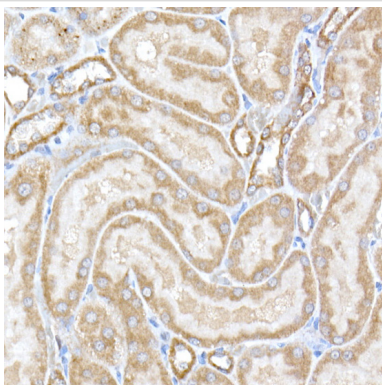
Immunohistochemistry of paraffin-embedded Mouse brain using OPA1 antibody.



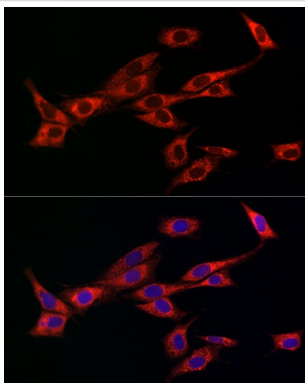
Immunohistochemistry of paraffin-embedded Mouse heart using OPA1 antibody.



Immunohistochemistry of paraffin-embedded Rat heart using OPA1 antibody.



Immunohistochemistry of paraffin-embedded Rat kidney using OPA1 antibody.



Immunofluorescence analysis of NIH-3T3 cells using OPA1 antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.

## Background

---

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.

---

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