

Rabbit OPA1 Polyclonal Antibody | anti-OPA1 antibody

OPA1 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30716	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

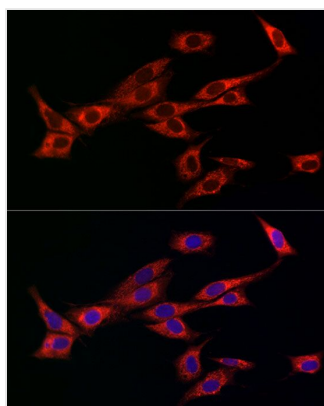
PRODUCT SYNONYMS

OPA1; Polyclonal Antibody; OPA1 Rabbit Polyclonal Antibody; BERHS; MGM1; MTDPS14; NPG; NTG; largeG; anti-OPA1 antibody

PRODUCT SPECIFICATIONS

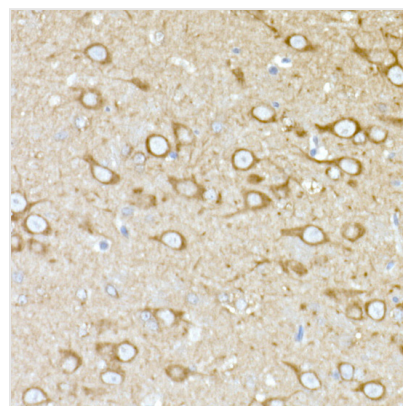
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-OPA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein of human OPA1 (NP_056375.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



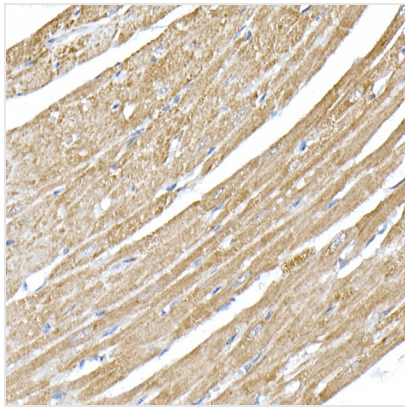
IF (Immunofluorescence)

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

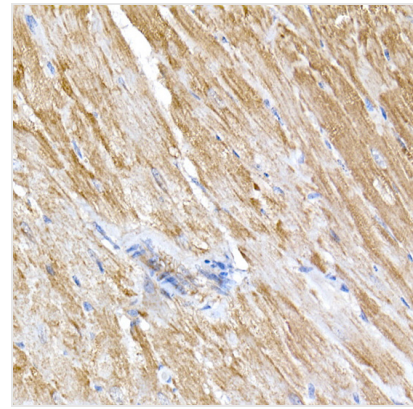


IHC (Immunohistochemistry)

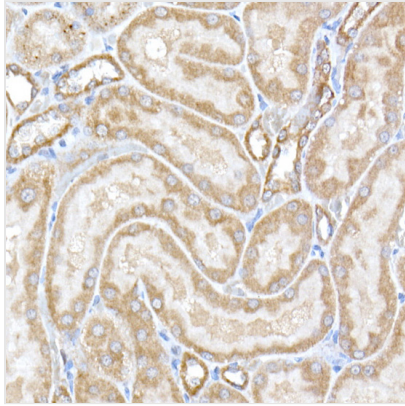
Immunohistochemistry of paraffin-embedded Mouse brain using OPA1 antibody.



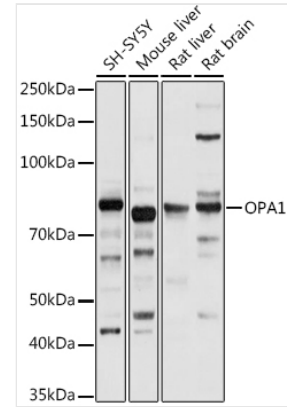
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Rat heart using OPA1 antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Mouse heart using OPA1 antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Rat kidney using OPA1 antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using OPA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OPA1 antibody	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.
Product Categories/Family for anti-OPA1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	224831243
NCBI GeneID	4976
NCBI Accession #	NP_056375.2
NCBI GenBank Nucleotide #	NM_015560.2
UniProt Accession #	O60313 ; D3DNW4
Molecular Weight	115,884 Da
NCBI Official Full Name	dynamin-like 120 kDa protein, mitochondrial isoform 1
NCBI Official Synonym Full Names	OPA1, mitochondrial dynamin like GTPase
NCBI Official Symbol	OPA1
NCBI Official Synonym Symbols	NPG; NTG; MGM1; BERHS; largeG; MTDPS14

NCBI Protein Information	dynamin-like 120 kDa protein, mitochondrial
UniProt Protein Name	Dynamin-like 120 kDa protein, mitochondrial
UniProt Gene Name	OPA1
UniProt Synonym Gene Names	KIAA0567
UniProt Entry Name	OPA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/opa1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30716>