

Mouse OPA1 Monoclonal Antibody | anti-OPA1 antibody

OPA1 (Pptic Atrophy 1 (Autosomal Dominant), FLJ12460, KIAA0567, MGM1, NPG, NTG, LargeG) (FITC)

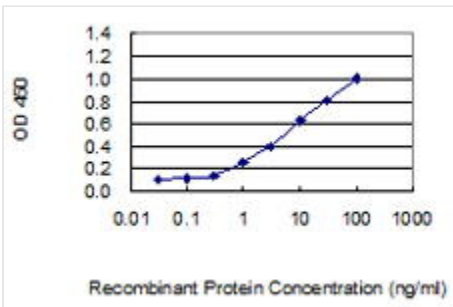
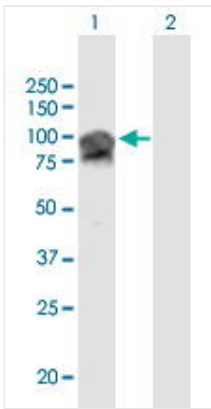
CATALOG # AAA26419	HOST Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

OPA1; Monoclonal Antibody; OPA1 (Pptic Atrophy 1 (Autosomal Dominant); FLJ12460; KIAA0567; MGM1; NPG; NTG; LargeG) (FITC); Pptic Atrophy 1 (Autosomal Dominant); LargeG; anti-OPA1 antibody

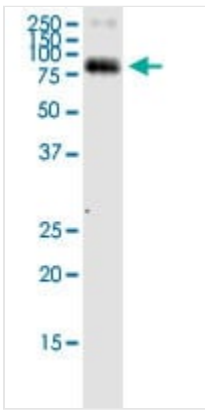
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	8A32
Specificity	Recognizes OPA1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Sequence Length	960
Applicable Applications for anti-OPA1 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	OPA1 (NP_056375, 851aa-960aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NHCNLCRRGFYYYQRHFVDSELECNDVVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVLEDFAEEDGEKKIKLLTGKRVQLAEDLKKVREIQEKLD
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

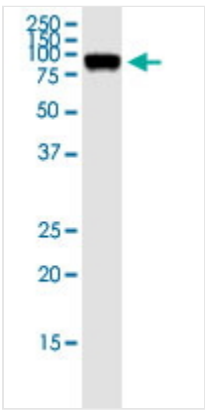


Application Data
Detection limit for recombinant GST tagged OPA1 is 0.1 ng/ml as a capture antibody.

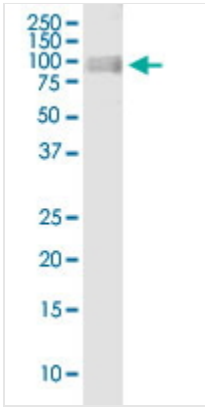
WB (Western Blot)
Western Blot analysis of OPA1 expression in transfected 293T cell line by OPA1 monoclonal antibody (M06), clone 8A32. Lane 1: OPA1 transfected lysate (Predicted MW: 111.6 KDa). Lane 2: Non-transfected lysate.



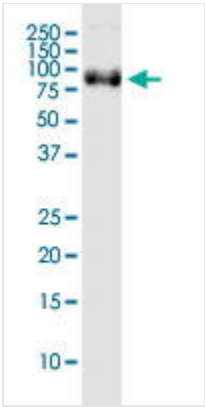
WB (Western Blot)
OPA1 monoclonal antibody (M06), clone 8A32. Western Blot analysis of OPA1 expression in rat brain.



WB (Western Blot)
OPA1 monoclonal antibody (M06), clone 8A32. Western Blot analysis of OPA1 expression in human ovarian cancer.



WB (Western Blot)
OPA1 monoclonal antibody (M06), clone 8A32. Western Blot analysis of OPA1 expression in PC-12.



WB (Western Blot)
OPA1 monoclonal antibody (M06), clone 8A32. Western Blot analysis of OPA1 expression in Daoy.

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. [provided by RefSeq]

Product Categories/Family for anti-OPA1 antibody

Antibodies; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	224831243
NCBI GeneID	4976
NCBI Accession #	NP_056375
NCBI GenBank Nucleotide #	NP_056375.2
UniProt Accession #	O60313
NCBI Official Full Name	dynamin-like 120 kDa protein, mitochondrial isoform 1 preproprotein
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/monoclonal/opa1-antibody-clone-8a32-western-blot-elisa/26419>