Rabbit OPA1 Polyclonal Antibody | anti-OPA1 antibody

OPA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327539	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Immunofluorescence, Western Blot**

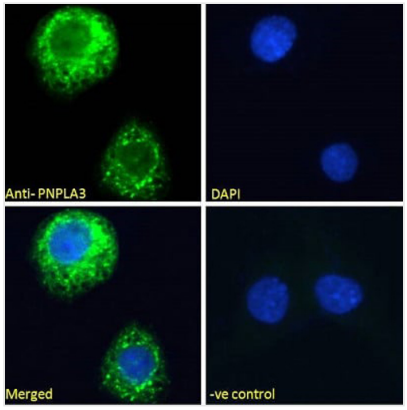
PRODUCT SYNONYMS

OPA1; Polyclonal Antibody; OPA1 Antibody; Dynamin like 120 kDa protein; mitochondrial; Dynamin-like 120 kDa protein; form S1; FLJ12460; Juvenile kjer type optic atrophy; KIAA0567; KJER type; Large GTP binding protein; largeG; MGM1; Mitochondrial dynamin like 120 kDa protein; Mitochondrial dynamin like GTPase; NPG; NTG; OAK; OPA 1; opa1; OPA1 gene; OPA1_HUMAN; Optic atrophy 1 (autosomal dominant); OPTIC ATROPHY 1; Optic atrophy 1 gene protein; Optic atrophy 1 homolog (human); Optic atrophy protein 1; Optic atrophy protein 1 homolog; anti-OPA1 antibody

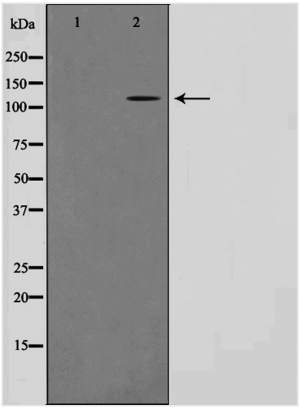
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OPA1 antibody detects endogenous levels of total OPA1
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	960
Applicable Applications for anti-OPA1 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OPA1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

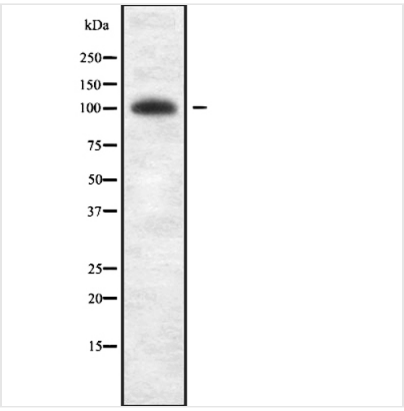
IMAGES



IF (Immunofluorescence)
AAA327539 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA327539) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI (blue).



WB (Western Blot)
Western blot analysis OPA1 using COLO205 whole cell lysates



WB (Western Blot)
Western blot analysis of OPA1 Antibody expression in A431 cells lysates.

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; E5KLJ5; E5KLJ6; E5KLJ7; E5KLK1; E5KLK2
Molecular Weight	111 kDa, 80-95kDa
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**

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/opa1-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/327539