

<b>Cat. No:</b>	MAB-94629
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	1E8-1D9
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence at the C-terminus of human OPA1 (919-955aa EDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEA), different from the related mouse and rat sequences by one amino acid.
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western Blot: 0.2-1 ug/ml Immunohistochemistry(Paraffin-embedded Section) 1-2 ug/ml Immunohistochemistry(Frozen Section): 1-2 ug/ml Immunocytochemistry: 4ug/ml Immunofluorescence: 4ug/ml Flow Cytometry: 2-6 ug/1x10 <sup>6</sup> cells
<b>Molecular Weight:</b>	80-100kDa
<b>Purification:</b>	Immunogen affinity purified.
<b>Background:</b>	Dynamin-like 120 kDa protein, mitochondrial is a protein that in humans is encoded by the OPA1 gene. It is mapped to 3q29. This protein regulates mitochondrial fusion and cristae structure in the inner mitochondrial membrane (IMM) and contributes to ATP synthesis and apoptosis. 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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.
<b>Storage:</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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