



Anti-OPA1 (aa 851-960) polyclonal antibody (DPAB-DC2061)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	OPA1 (NP_056375, 851 a.a. ~ 960 a.a) partial recombinant protein with GST tag. The sequence is NHCNLCRRGFYYYQRHFVDSELECNDVLFWRIRMLAITANTLRQQLTNTTEVRRLEKNV KEVLEDFEAEDGEKKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEALHQEK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	OPA1 optic atrophy 1 (autosomal dominant) [Homo sapiens (human)]
Official Symbol	OPA1
Synonyms	OPA1; optic atrophy 1 (autosomal dominant); NPG; NTG; MGM1; largeG; dynamin-like 120 kDa protein, mitochondrial; optic atrophy protein 1; mitochondrial dynamin-like GTPase; dynamin-like guanosine triphosphatase;
Entrez Gene ID	4976
Protein Refseq	NP_056375
UniProt ID	O60313
Chromosome Location	3q29
Function	GTP binding; GTPase activity; magnesium ion binding; protein binding