# antibodies - online.com







# anti-OPA1 antibody (AA 183-418)

**Images** 



## Overview

Quantity:	100 μL
Target:	OPA1
Binding Specificity:	AA 183-418
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPA1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

# **Product Details**

Immunogen:	Recombinant Human Dynamin-like 120 kDa protein, mitochondrial protein (183-418AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

# Target Details

Target:	OPA1
Alternative Name:	OPA1 (OPA1 Products)
Background:	Background: Dynamin-related GTPase required for mitochondrial fusion and regulation of
	apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic

processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space. May also play a role in mitochondrial genome maintenance.

Aliases: Dynamin like 120 kDa protein antibody, Dynamin like 120 kDa protein, mitochondrial antibody, Dynamin-like 120 kDa protein, form S1 antibody, FLJ12460 antibody, Juvenile kjer type optic atrophy antibody, KIAA0567 antibody, KJER type antibody, Large GTP binding protein antibody, largeG antibody, MGM1 antibody, Mitochondrial dynamin like 120 kDa protein antibody, Mitochondrial dynamin like GTPase antibody, NPG antibody, NTG antibody, OAK antibody, OPA1 antibody, opa1 antibody, OPA1 gene antibody, OPA1\_HUMAN antibody, Optic atrophy 1 (autosomal dominant) antibody, OPTIC ATROPHY 1 antibody, Optic atrophy 1 gene protein antibody, Optic atrophy 1 homolog (human) antibody, Optic atrophy protein 1 antibody, Optic atrophy protein 1 homolog antibody

UniProt:

060313

Pathways:

**Tube Formation** 

# **Application Details**

**Application Notes:** 

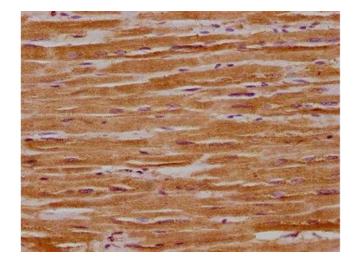
Recommended dilution: IHC:1:200-1:500,

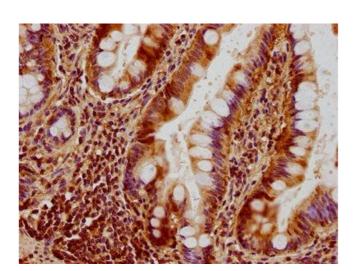
Restrictions:

For Research Use only

# Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.





### **Immunohistochemistry**

**Image 1.** IHC image of ABIN7150845 diluted at 1:300 and staining in paraffin-embedded human heart tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

### **Immunohistochemistry**

Image 2. IHC image of ABIN7150845 diluted at 1:300 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.