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Datasheet for ABIN1393182

## anti-OPA1 antibody (AA 651-750) (AbBy Fluor® 647)

### Overview

Quantity:	100 µL
Target:	OPA1
Binding Specificity:	AA 651-750
Reactivity:	Human, Mouse, Rat, Chicken, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPA1 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OPA1
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	OPA1
Alternative Name:	OPA1 ( <a href="#">OPA1 Products</a> )

## Target Details

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Background: Synonyms: SP17, NYD-SP17, Coiled-coil domain-containing protein 54, Testis development protein NYD-SP17, CCDC54

Background: OPA1 is a 120 kDa protein belonging to the dynamin family. The OPA1 gene has been localized to 3q29. The gene is targeted to mitochondria and is involved in mitochondrial biogenesis. Defects in OPA1 are a cause of optic atrophy type 1. OPA1 is mostly expressed in retina but can also be expressed in brain, testis, heart and skeletal muscle.

Gene ID: 84692

UniProt: [Q8NEL0](#)

Pathways: [Tube Formation](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months