

For Research Use Only

# OPA3 Monoclonal antibody

Catalog Number: 68241-1-Ig



## Basic Information

Catalog Number:

68241-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8173

GenBank Accession Number:

BC005059

GeneID (NCBI):

80207

UNIPROT ID:

Q9H6K4

Full Name:

optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)

Calculated MW:

179 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Protein G purification

CloneNo.:

5A3F9

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : A549 cells, K-562 cells, A431 cells, HEK-293 cells, HeLa cells

## Background Information

The OPA3 cDNA encodes a deduced 179-amino acid protein. Northern blot analysis demonstrated a primary transcript of approximately 5.0 kb that was ubiquitously expressed, most prominently in skeletal muscle and kidney. Mutations in this gene have been shown to result in 3-methylglutaconic aciduria type III and autosomal dominant optic atrophy and cataract.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

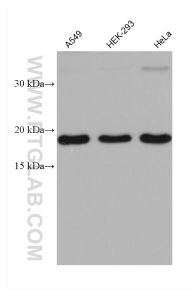
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68241-1-Ig (OPA3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.