

For Research Use Only

# OPA3 Monoclonal antibody

Catalog Number: 68241-1-Ig



## Basic Information

<b>Catalog Number:</b> 68241-1-Ig	<b>GenBank Accession Number:</b> BC005059	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80207	<b>CloneNo.:</b> 5A3F9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9H6K4	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Full Name:</b> optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)	
<b>Immunogen Catalog Number:</b> AG8173	<b>Calculated MW:</b> 179 aa, 20 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, K-562 cells, A431 cells, HEK-293 cells, HeLa cells
<b>Species Specificity:</b> Human	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

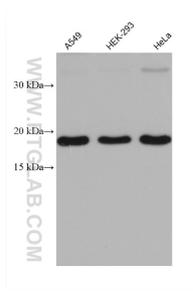
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## Selected Validation Data



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.