

For Research Use Only

# OPA1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 84457-4-PBS



## Basic Information

|                                                             |                                                           |                                                       |
|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>84457-4-PBS                       | <b>GenBank Accession Number:</b><br>BC075805              | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4976                             | <b>CloneNo.:</b><br>260763H1                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>O60313                              |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>optic atrophy 1 (autosomal dominant) |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG26887                 | <b>Calculated MW:</b><br>960 aa, 112 kDa                  |                                                       |

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84457-4-PBS targets OPA1 as part of a matched antibody pair:

MP03472-1: 84457-4-PBS capture and 84457-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

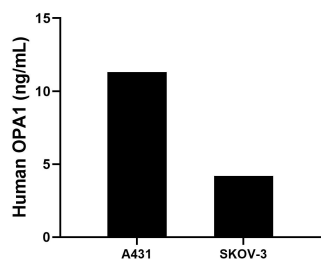
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

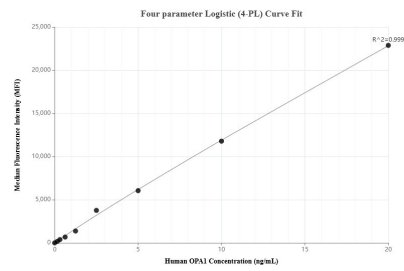
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



The mean OPA1 concentration was determined to be 11.3 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load, 4.2 ng/mL in SKOV-3 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03472-1, OPA1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84457-4-PBS. Detection antibody: 84457-3-PBS. Standard: Ag26887. Range: 0.156-20 ng/mL.