

For Research Use Only

# FLAD1 Monoclonal antibody

Catalog Number: 68491-1-Ig

Featured Product



## Basic Information

Catalog Number:

68491-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6845

GenBank Accession Number:

BC011378

GeneID (NCBI):

80308

UNIPROT ID:

Q8NFF5

Full Name:

FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)

Calculated MW:

446 aa, 49 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

1F9A8

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : LNCaP cells, HEK-293 cells, U2OS cells, HeLa cells, Jurkat cells, K-562 cells

## Background Information

FLAD1 is a protein-coding gene for flavin adenine dinucleotide synthetase (FADS), a key enzyme in the FAD biosynthesis process which contains an N-terminal molybdopterin-binding (MPTb) domain and a C-terminal domain (FADS domain) (PMID: 32714079). Alternative splicing of the human FLAD1 gene generates different isoforms of the enzyme FAD synthase. ~60 and ~50 kDa bands correspond to the expected mitochondrial FADS1 and cytosolic FADS2 proteins, respectively (PMID: 29316637).

## 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:

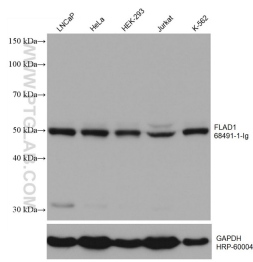
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

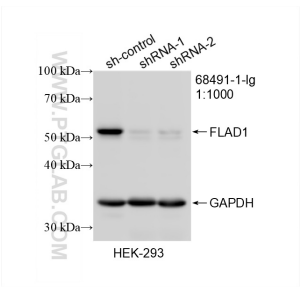
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68491-1-Ig (FLAD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of FLAD1 antibody (68491-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FLAD1 transfected HEK-293 cells.