

For Research Use Only

FLAD1 Monoclonal antibody, PBS Only



Catalog Number: 68491-1-PBS

Basic Information

Catalog Number:

68491-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

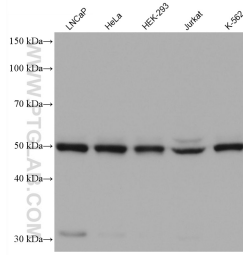
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

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. This data was developed using the same antibody clone with 68491-1-PBS in a different storage buffer formulation.