

For Research Use Only

FLAD1 Monoclonal antibody

Catalog Number: 68491-1-Ig



Basic Information

Catalog Number: 68491-1-Ig	GenBank Accession Number: BC011378	Purification Method: Protein G purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 80308	CloneNo.: 1F9A8
Source: Mouse	Full Name: FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 446 aa, 49 kDa	
Immunogen Catalog Number: AG6845	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: LNCaP cells, U2OS cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells
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 -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

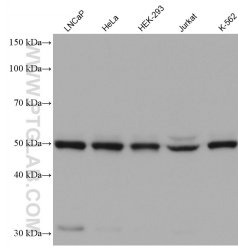
For technical support and original validation data for this product please contact:

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Selected Validation Data



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