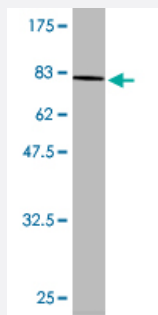


DLD monoclonal antibody (M03A), clone 3F5

Catalog # H00001738-M03A

Size 200 uL

Applications



Western Blot detection against Immunogen (81.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant DLD.

Immunogen

DLD (AAH18696, 1 a.a. ~ 509 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MQSWSRVYCSLAKRGHFNRISHGLQGLSAVPLRTYADQPIDADVTVIGSGPGGYVAAIKAAQLGF
KTVCIKNETLGGTCLNVGCIPSKALLNNSHYHMAHGKDFASRGIE MSEVRLNLDKMMEQKSTA
VKALTGGIAHLFKQNKVVHVNGYGKITGKNQVTATKADGGTQVIDTKNLIATGSEVTPFPGITIDEDTI
VSSTGALSLKKVPEKMMVIGAGVIGVELGSVWQRLGADVTAVEFLGHVGGVGIDMEISKNFQRILQ
KQGFKFKLNTKVTGATKKSDGKIDVSI EAASGGKAEVITCDVLLVCIGRRPFTKNLGLEELGIELDP
RGRIPVNTRFQTKIPNIYAIGDVVAGPMLAHKAEDEGICVEGMAGGAVHIDYNCVPSVIYTHPEVAW
VGKSEEQLKEEGIEYKVGKFPFAANSRAKTNADTDGMVKILGQKSTDRVLGAHILGPGAGEMVNE
AALALEYGASCEDIARVCHAHPTLSEAFREANLAASF GKSNF

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (95); Rat (95)

Isotype

IgG

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (81.73 KDa) .

Storage Buffer

In ascites fluid

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DLD

Entrez GeneID
[1738](#)
GeneBank Accession#
[BC018696](#)
Protein Accession#
[AAH18696](#)
Gene Name

DLD

Gene Alias

DLDH, E3, GCSL, LAD, PHE3

Gene Description

dihydrolipoamide dehydrogenase

Omim ID
[238331](#) [248600](#) [256000](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

This gene encodes the L protein of the mitochondrial glycine cleavage system. The L protein, also named dihydrolipoamide dehydrogenase, is also a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acid dehydrogenase complex. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. [provided by RefSeq]

Other Designations

E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex|diaphorase|dihydrolipoyl dehydrogenase|glycine cleavage system protein L|lipoamide dehydrogenase|lipoamide reductase|lipoyl dehydrogenase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)

- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycine](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pyruvate metabolism](#)
- [Valine](#)

Disease

- [Alzheimer disease](#)