

Product datasheet for **TA349885**

Lipoamide Dehydrogenase (DLD) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DLD
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dihydrolipoamide dehydrogenase
Database Link:	NP_000099 Entrez Gene 13382 Mouse Entrez Gene 298942 Rat Entrez Gene 1738 Human P09622

Background: This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants.



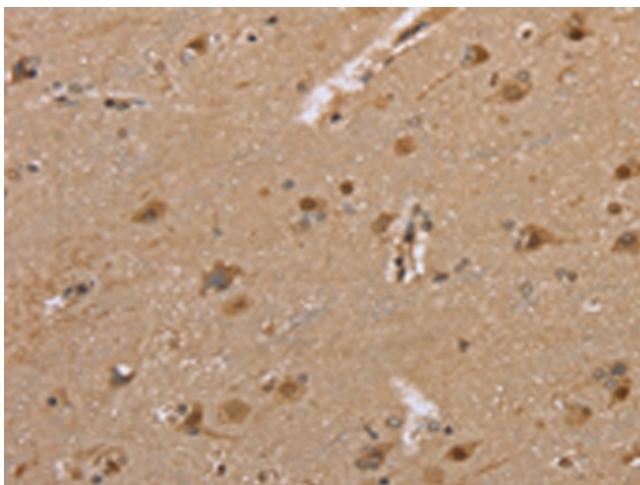
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Synonyms: DLDD; DLDH; E3; GCSL; LAD; PHE3

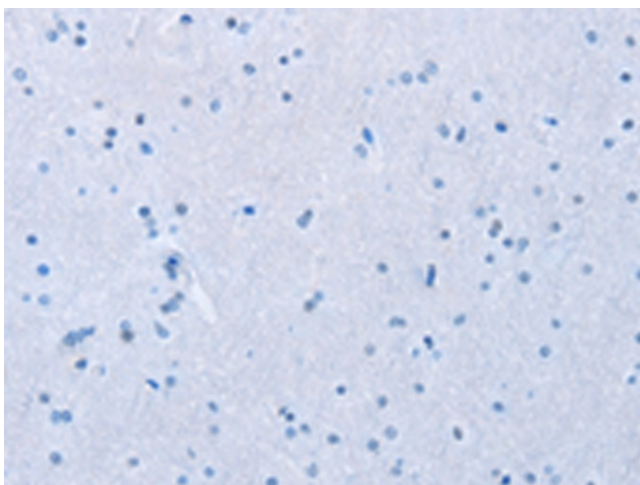
Protein Families: Druggable Genome

Protein Pathways: Citrate cycle (TCA cycle), Glycine, serine and threonine metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pyruvate metabolism, Valine, leucine and isoleucine degradation

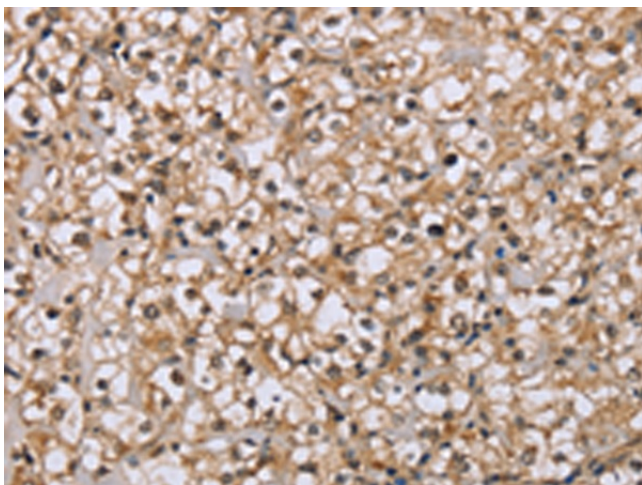
Product images:



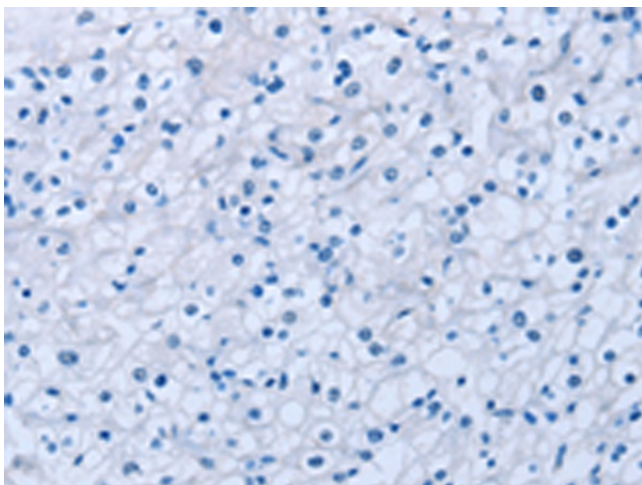
Immunohistochemistry of paraffin-embedded Human brain tissue using TA349885 (DLD Antibody) at dilution 1/35 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA349885 (DLD Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA349885 (DLD Antibody) at dilution 1/35 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA349885 (DLD Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: ×200)