

D2HGDH Polyclonal Antibody

Catalog No: #29778

Package Size: #29778-1 50ul #29778-2 100ul

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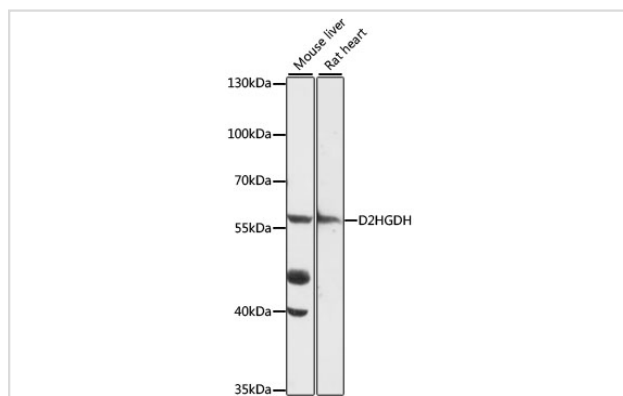
Description

Product Name	D2HGDH Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant fusion protein of human D2HGDH (NP_689996.4).
Other Names	D2HGDH; D2HGD; D-2-hydroxyglutarate dehydrogenase
Accession No.	Swiss-Prot#:Q8N465NCBI Gene ID:728294
Uniprot	Q8N465
GeneID	728294;
Calculated MW	56kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using D2HGDH at 1:1000 dilution.

Background

This gene encodes D-2hydroxyglutarate dehydrogenase, a mitochondrial enzyme belonging to the FAD-binding oxidoreductase/transferase type 4 family. This enzyme, which is most active in liver and kidney but also active in heart and brain, converts D-2-hydroxyglutarate to 2-ketoglutarate. Mutations in this gene are present in D-2-hydroxyglutaric aciduria, a rare recessive neurometabolic disorder causing developmental delay, epilepsy, hypotonia, and dysmorphic features.

Note: This product is for in vitro research use only