

GCDH Polyclonal Antibody

Catalog No.	A9057	Category	Polyclonal Antibodies
Applications	WB	Observed MW	48kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	47kDa/48kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 149-438 of human GCDH (NP_000150.1).
Gene ID	2639
Swiss prot	Q92947
Synonyms	GCDH; ACAD5; GCD; glutaryl-CoA dehydrogenase

Product information

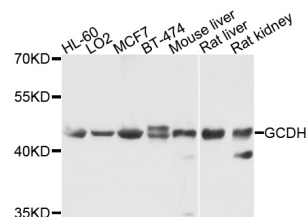
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family. It catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. The enzyme exists in the mitochondrial matrix as a homotetramer of 45-kD subunits. Mutations in this gene result in the metabolic disorder glutaric aciduria type 1, which is also known as glutaric acidemia type I. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 12.

Recommended Dilutions

WB 1:200 -
1:2000



Western blot - GCDH Polyclonal Antibody (A9057)