

ALDH6A1 Antibody (N-term)

Catalog_no :	AB1399
Applications :	WB, IF
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:30-59
Specificity :	This ALDH6A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-59 amino acids from the N-terminal region of human ALDH6A1.
Dilution :	WB,1:1000;WB,1:1000;WB,1:1000;IHC-P,1:10~50;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. The antibody is eluted with high and low pH buffers and neutralized immediate
Other_name :	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial, MMSDH, Malonate-semialdehyde dehydrogenase [acylating], Aldehyde dehydrogenase family 6 member A1, ALDH6A1, MMSDH
Isotype :	Rabbit Ig
Background :	ALDH6A1 belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. This protein is a mitochondrial methylmalonate semialdehyde dehydrogenase, and catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.
reference :	Kuiper,H., Cytogenet. Genome Res. 109 (4), 533 (2005) Anderson,N.L., Mol. Cell Proteomics 3 (4), 311-326 (2004) Chambliss,K.L., J. Inherit. Metab. Dis. 23 (5), 497-504 (2000) Kedishvili,N.Y., J. Biol. Chem. 267 (27), 19724-19729 (1992)