

Product datasheet for **TA339014**

ALDH6A1 Rabbit Polyclonal Antibody

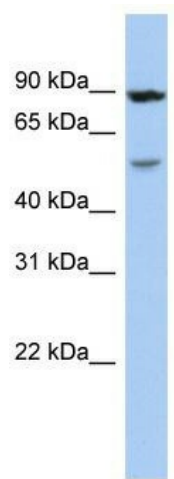
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ALDH6A1 antibody: synthetic peptide directed towards the middle region of human ALDH6A1. Synthetic peptide located within the following region: GQVGVNVPVPLPMFSFTGSRSSFRGDTNFGYKQGIQFYTLKTITSQW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	aldehyde dehydrogenase 6 family member A1
Database Link:	NP_005580 Entrez Gene 4329 Human Q02252



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Background:	This gene encodes a member of the aldehyde dehydrogenase protein family. The encoded protein is a mitochondrial methylmalonate semialdehyde dehydrogenase that plays a role in the valine and pyrimidine catabolic pathways. This protein 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. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
Synonyms:	MMSADHA; MMSDH
Note:	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Bovine: 93%; Zebrafish: 93%; Guinea pig: 93%
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images:

WB Suggested Anti-ALDH6A1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive
Control: THP-1 cell lysate