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Product datasheet for TA335228

Aldehyde dehydrogenase 10 (ALDH3A2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ALDH3A2 antibody: synthetic peptide directed towards the C terminal of human ALDH3A2. Synthetic peptide located within the following region: FINEREKPLALYVFSHNHKLIKRMIDETSSGGVTGNDVIMHFTLNSFPFG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	aldehyde dehydrogenase 3 family member A2
Database Link:	NP_000373 Entrez Gene 224 Human P51648
Background:	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. ALDH3A2 catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid.Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This gene product catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome.

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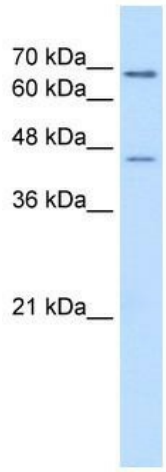
Synonyms: ALDH10; FALDH; SLS

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Bovine: 93%; Dog: 92%; Horse: 92%; Guinea pig: 92%

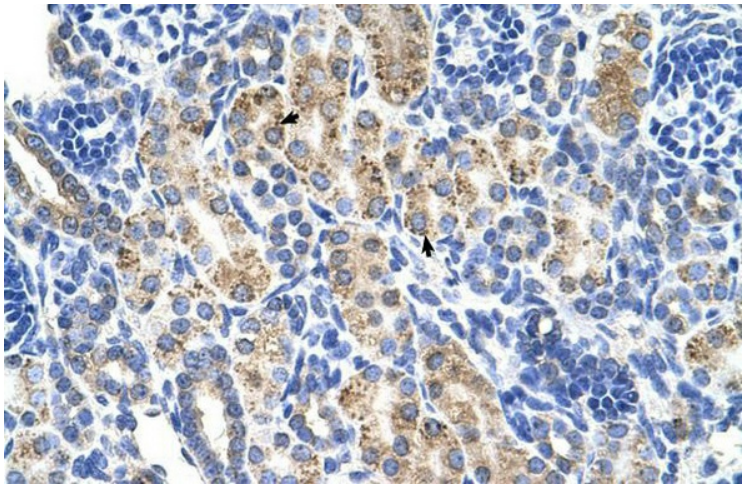
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Arginine and proline metabolism, Ascorbate and aldarate metabolism, beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Histidine metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:



WB Suggested Anti-ALDH3A2 Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate



Human kidney