

Product datasheet for **TA337809**

ALDH4A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Aldh4a1 antibody: synthetic peptide corresponding to a region of Rat. Synthetic peptide located within the following region: GSGLRWKHASSLKVANEPILAFTQGSPERDALQKALNDLKDQTEAIPCVV
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>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	62 kDa
Gene Name:	aldehyde dehydrogenase 4 family member A1
Database Link:	NP_733844 Entrez Gene 641316 Rat P30038
Background:	Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes.
Synonyms:	ALDH4; P5CD; P5CDh



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Note: Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Mouse: 93%; Pig: 86%; Rabbit: 86%; Guinea pig: 86%

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways

Product images:



WB Suggested Anti-Aldh4a1 Antibody; Titration: 1.0 ug/ml; Positive Control: Rat Kidney