

### **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.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified
Conjugation: Unconjugated

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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:

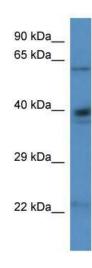
100%; Mouse: 93%; Pig: 86%; Rabbit: 86%; Guinea pig: 86%

**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