

Aldh1a2 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14461**Specification**

Aldh1a2 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q62148
Other Accession	NM_009022 , NP_033048
Reactivity	Human, Mouse, Rat, Rabbit, Sheep, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Yeast, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kDa KDa

Aldh1a2 Antibody - C-terminal region - Additional Information**Gene ID** 19378**Alias Symbol** **AV116159, Aldh1a7, Raldh1, Raldh2****Other Names**

Retinal dehydrogenase 2, RALDH 2, RaIDH2, 1.2.1.36, Aldehyde dehydrogenase family 1 member A2, Retinaldehyde-specific dehydrogenase type 2, RALDH(II), Aldh1a2, Aldh1a7, Raldh2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Aldh1a2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Aldh1a2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Aldh1a2 Antibody - C-terminal region - Protein Information**Name** Aldh1a2**Synonyms** Aldh1a7, Raldh2 {ECO:0000303|PubMed:8797**Function**

Catalyzes the NAD-dependent oxidation of aldehyde substrates, such as all-trans-retinal and all-trans-13,14-dihydroretinal, to their corresponding carboxylic acids, all-trans-retinoate and all-trans-13,14-dihydroretinoate, respectively (PubMed:15911617, PubMed:15911617).

[8797830](http://www.uniprot.org/citations/8797830)). Retinoate signaling is critical for the transcriptional control of many genes, for instance it is crucial for initiation of meiosis in both male and female (Probable). Recognizes retinal as substrate, both in its free form and when bound to cellular retinol-binding protein (By similarity). Lacks activity with benzaldehyde, acetaldehyde and octanal (PubMed:<[a href="http://www.uniprot.org/citations/8797830" target="_blank">8797830](http://www.uniprot.org/citations/8797830)>). Displays complete lack of activity with citral (By similarity).

Cellular Location

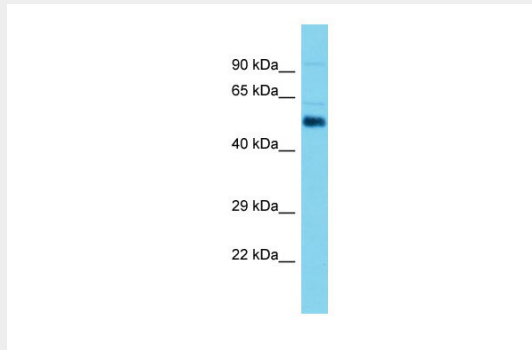
Cytoplasm.

Aldh1a2 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Aldh1a2 Antibody - C-terminal region - Images



Host: Rabbit

Target Name: Aldh1a2

Sample Tissue: Mouse Testis lysates

Antibody Dilution: 1.0µg/ml