

**ALDH6A1 (aa487-496) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3361a

**Specification**

---

**ALDH6A1 (aa487-496) Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q02252</a>
Other Accession	<a href="#">NP_005580.1</a> , <a href="#">4329</a> , <a href="#">104776 (mouse)</a> , <a href="#">81708 (rat)</a>
Reactivity	Human, Mouse, Rat
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	57840

**ALDH6A1 (aa487-496) Antibody (internal region) - Additional Information**

Gene ID 4329

**Other Names**

Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial, MMSDH, Malonate-semialdehyde dehydrogenase [acylating], 1.2.1.18, 1.2.1.27, Aldehyde dehydrogenase family 6 member A1, ALDH6A1, MMSDH

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ALDH6A1 (aa487-496) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ALDH6A1 (aa487-496) Antibody (internal region) - Protein Information**

Name ALDH6A1 ([HGNC:7179](#))

**Function**

Malonate and methylmalonate semialdehyde dehydrogenase involved in the catabolism of valine, thymine, and compounds catabolized by way of beta-alanine, including uracil and cytidine.

**Cellular Location**

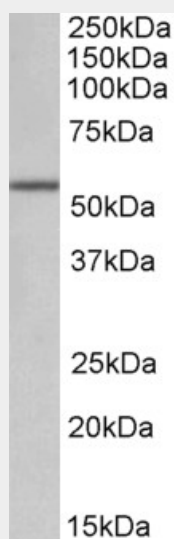
Mitochondrion.

### ALDH6A1 (aa487-496) Antibody (internal region) - Protocols

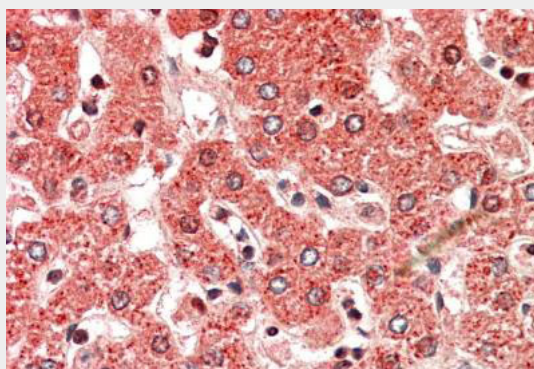
Provided below are standard protocols that you may find useful for product applications.

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

### ALDH6A1 (aa487-496) Antibody (internal region) - Images



AF3361a (0.1  $\mu\text{g/ml}$ ) staining of Mouse Kidney lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3361a (5  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### ALDH6A1 (aa487-496) Antibody (internal region) - References

Tissue distribution, ontogeny, and regulation of aldehyde dehydrogenase (Aldh) enzymes mRNA by

prototypical microsomal enzyme inducers in mice. Alnouti Y, Klaassen CD. Toxicol Sci. 2008 Jan;101(1):51-64. PMID: 17998271