

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, E
Primary Accession	Q02252
Other Accession	NP_005580.1 , 4329 , 104776 (mouse) , 81708 (rat)
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

Dilution

WB~~1:1000
IHC~~1:100~500
E~~N/A

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.

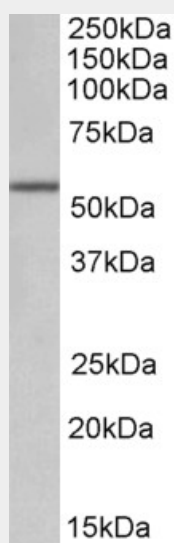
Cellular Location

Mitochondrion.

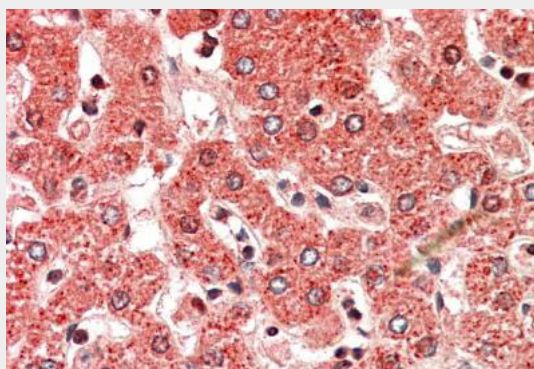
ALDH6A1 (aa487-496) Antibody (internal region) - Protocols

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 µg/ml) staining of Mouse Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3361a (5 µg/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