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ALDH5A1 (aa 485-496) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3359a

Specification

ALDH5A1 (aa 485-496) Antibody (internal region) - Product Information

Application	**WB, IHC**
Primary Accession	P51649
Other Accession	NP_733936.1, NP_001071.1, 7915, 214579 (mouse), 291133 (rat)
Reactivity	**Human, Mouse, Rat**
Predicted	**Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**57215**

ALDH5A1 (aa 485-496) Antibody (internal region) - Additional Information

Gene ID 7915

Other Names
Succinate-semialdehyde dehydrogenase, mitochondrial, 1.2.1.24, Aldehyde dehydrogenase family 5 member A1, NAD(+)-dependent succinic semialdehyde dehydrogenase, ALDH5A1, SSADH

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
ALDH5A1 (aa 485-496) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDH5A1 (aa 485-496) Antibody (internal region) - Protein Information

Name ALDH5A1 (HGNC:408)

Synonyms SSADH

Function
Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA).

Cellular Location
Mitochondrion.

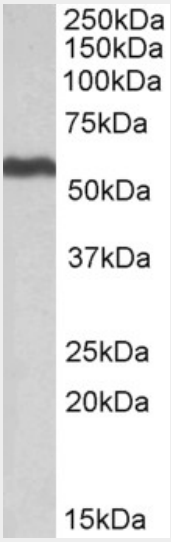
Tissue Location
Brain, pancreas, heart, liver, skeletal muscle and kidney. Lower in placenta

ALDH5A1 (aa 485-496) Antibody (internal region) - Protocols

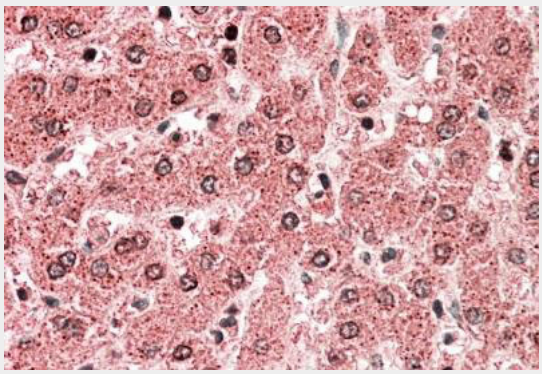
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALDH5A1 (aa 485-496) Antibody (internal region) - Images



AF3359a (0.5 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3359a (5 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with

citrate buffer pH 6, AP-staining.

ALDH5A1 (aa 485-496) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_733936.1; NP_001071.1). Amino acid numbering in name calculated from NP_733936.1.

ALDH5A1 (aa 485-496) Antibody (internal region) - References

Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, Ravindranathan A, Brush G, Schuckit M, White RL, Alcoholism, clinical and experimental research 2010 May 34 (5): 800-12. PMID: 20201926