BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Aldh5A1 Antibody

Catalog Number: A03802

About ALDH5A1

Aldh5A1 is a member of the aldehyde dehydrogenase superfamily, a group of NAD(P)(+)-dependent enzymes that catalyze the oxidation of a wide spectrum of aliphatic and aromatic aldehydes. Aldehyde dehydrogenase enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. Aldh5A1 is a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, results in a disorder of the neurotransmitter 4-aminobutyric acid (GABA). Symptoms usually include static encephalopathy, associated with developmental delays, hypotonia, ataxia, speech defects, and seizures. At least two isoforms of Aldh5A1 are known to exist.

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Overview

Product Name	Anti-Aldh5A1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Aldh5A1 Antibody (Catalog # A03802). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Aldh5A1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Aldh5A1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P51649

Technical Details

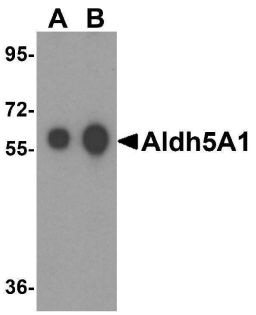
Immunogen	Aldh5A1 antibody was raised against a 22 amino acid synthetic peptide near the carboxy terminus of the human Aldh5A1. The immunogen is located within the last 50 amino acids of Aldh5A1.
Predicted Reactive Species	Bovine, Chicken, Rat

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Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Aldh5A1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Aldh5A1 antibody can be used for detection of Aldh5A1 by Western blot at 0.25 - 0.5 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Aldh5A1 Antibody (A03802) Images



Western blot analysis of Aldh5A1 in human liver tissue lysate with Aldh5A1 antibody at (A) 0.25 and (B) 0.5 ug/mL.

Anti-Aldh5A1 Antibody

For Research Use Only. Not for use in diagnostic procedures.