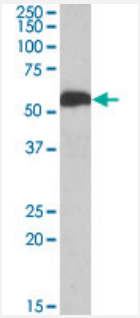
ALDH5A1 polyclonal antibody

Catalog # PAB19061 Size 100 ug

Applications



Western Blot (Tissue lysate)

ALDH5A1 polyclonal antibody (Cat # PAB19061) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ALDH5A1.
Immunogen	A synthetic peptide corresponding to amino acids 301-312 at internal region of human ALDH5A1.
Sequence	C-TGKILLHHAANS
Host	Goat
Theoretical MW (kDa)	55
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ALDH5A1

Entrez GeneID	7915
Protein Accession#	NP_733936.1;NP_001071.1
Gene Name	ALDH5A1
Gene Alias	SSADH, SSDH
Gene Description	aldehyde dehydrogenase 5 family, member A1
Omim ID	271980 610045
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenase family of proteins. This gene encodes a mito chondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme , known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitt er 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumu late GHB, a compound with numerous neuromodulatory properties. Two transcript variants encodi ng distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	NAD(+)-dependent succinic semialdehyde dehydrogenase|OTTHUMP00000016088|aldehyde d ehydrogenase 5A1|mitochondrial succinate semialdehyde dehydrogenase|succinate-semialdehy de dehydrogenase

Pathway

- Alanine
- Butanoate metabolism
- Metabolic pathways

Disease

- Cognition
- Cognition Disorders
- Epilepsy
- Genetic Predisposition to Disease
- Mental Disorders
- Schizophrenia
- Seizures
- Syndrome
- Tobacco Use Disorder
- Wechsler Scales