DNAxPAb | Hard-to-Find Antibody

# ALDH5A1 DNAxPab

Catalog # H00007915-W01P Size 200 ug

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a partial-length human ALDH5A1 DNA using DNAx™ Imm une technology. |
| **Technology** | DNAx™ Immune |
| **Immunogen** | Extracellular membrane domain (ECD) human DNA |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — ALDH5A1

| | |
|---|---|
| **Entrez GeneID** | 7915 |
| **GeneBank Accession#** | NM_001080.3 |
| **Protein Accession#** | 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 mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq |
| **Other Designations** | NAD(+)-dependent succinic semialdehyde dehydrogenase\|OTTHUMP00000016088\|aldehyde dehydrogenase 5A1\|mitochondrial succinate semialdehyde dehydrogenase\|succinate-semialdehyde 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