DNAxPAb | Hard-to-Find Antibody

# ADSL DNAxPab

Catalog # H00000158-W01P Size 200 ug

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human ADSL DNA using DNAx™ Immune tec hnology. |
| **Technology** | DNAx™ Immune |
| **Immunogen** | Full-length human DNA |
| **Sequence** | MAAGGDHGSPDSYRSPLASRYASPEMCFVFSDRYKFRTWRQLWLWLAEAEQTLGLPITDEQIQE MKSNLENIDFKMAAEEEKRLRHDVMAHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLIILRNALDLL LPKLARVISRLADFAKERASLPTLGFTHFQPAQLTTVGKRCCLWIQDLCMDLQNLKRVRDDLRFR GVKGTTGTQASFLQLFEGDDHKVEQLDKMVTEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASV HKICTDIRLLANLKEMEEPFEKQQIGSSAMPYKRNPMRSERCCSLARHLMTLVMDPLQTASVQWF ERTLDDSANRRICLAEAFLTADTILNTLQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSR QDCHEKIRVLSQQAASVVKQEGGDNDLIERIQVDAYFSPIHSQLDHLLDPSSFTGRASQQVQRFL EEEVYPLLKPYESVMKVKAELCL |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Interspecies Antigen Sequence** | Mouse (94); Rat (93) |
| **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 — ADSL

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|---|---|
| **Entrez GeneID** | 158 |
| **GeneBank Accession#** | NM_000026.1 |
| **Protein Accession#** | NP_000017.1 |
| **Gene Name** | ADSL |
| **Gene Alias** | AMPS, ASASE, ASL |
| **Gene Description** | adenylosuccinate lyase |
| **Omim ID** | 103050 608222 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Adenylsuccinate lyase is involved in both de novo synthesis of purines and formation of adenosin e monophosphate from inosine monophosphate. It catalyzes two reactions in AMP biosynthesis: t he removal of a fumarate from succinylaminoimidazole carboxamide (SAICA) ribotide to give ami noimidazole carboxamide ribotide (AICA) and removal of fumarate from adenylosuccinate to give AMP. Adenylosuccinase deficiency results in succinylpurinemic autism, psychomotor retardation, and , in some cases, growth retardation associated with muscle wasting and epilepsy. Two transc ript variants encoding different isoforms have been found for this gene. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000028724\|adenylosuccinase |

## Pathway

- Alanine
- Biosynthesis of alkaloids derived from histidine and purine
- Metabolic pathways
- Purine metabolism