

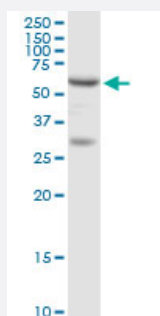
MaxPab®

ADSL purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000158-D01P

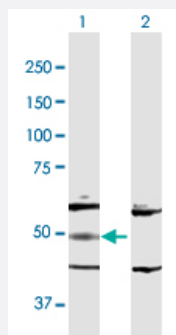
Size 100 ug

Applications



Western Blot (Cell lysate)

ADSL MaxPab rabbit polyclonal antibody. Western Blot analysis of ADSL expression in K-562.



Western Blot (Transfected lysate)

Western Blot analysis of ADSL expression in transfected 293T cell line ([H00000158-T02](#)) by ADSL MaxPab polyclonal antibody.

Lane 1: ADSL transfected lysate(54.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ADSL protein.

Immunogen

ADSL (NP_000017.1, 1 a.a. ~ 484 a.a) full-length human protein.

Sequence

MAAGGDHGSPPSYRSPLASRYASPEMCFVFSDDRYKFRTWRQLWLWLAEAEQTLGLPITDEQIQE
MKSNNLENIDFKMAAEEEEKRLRHDMVMAHVHTFGHCCPKAAGIIHLGATSCYVGDNLDLILRNALDLL
LPKLARVISRLADFAKERASLPTLGFTHFQPAQLTTVGKRCCLWIQDLCDLQNLKVRDDLRF
GVKGGTTGTQASFLQLFEGDDHKVEQLDKMVTETKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASV
HKICTDIRLLANLKEMEPEFEKQIQGSSAMPYKRNPMSRERCCSLARHMTLVMDPLQTASVQWF
ERTLDDSANRRICLAEAFLTADTILNLTQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSR
QDCHEKIRVLSQQAASVVKQEGGDNDLIERIQVDAYFSPHSQLDHLDPSSFTGRASQQVQRFL
EEEVYPLLKPYESVMKVKAELCL

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (93)
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.

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[Protocol Download](#)

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Gene Info — ADSL

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

Adenylosuccinate lyase is involved in both de novo synthesis of purines and formation of adenosine monophosphate from inosine monophosphate. It catalyzes two reactions in AMP biosynthesis: the removal of a fumarate from succinylaminoimidazole carboxamide (SAICA) ribotide to give aminoimidazole 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 transcript 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](#)