

Datasheet for ABIN2774275

anti-Adenylosuccinate Lyase antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Adenylosuccinate Lyase (ADSL)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Guinea Pig, Horse, Cow, Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylosuccinate Lyase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ADSL
Sequence:	RVRDDLRFGRG VKGTTGTQAS FLQLFEGDDH KVEQLDKMVT EKAGFKRAFI
Predicted Reactivity:	Cow: 93%, Dog: 86%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 93%, Rat: 86%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against ADSL. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Adenylosuccinate Lyase (ADSL)
Alternative Name:	ADSL (ADSL Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: AMPS, ASASE, ASL</p> <p>Protein Interaction Partner: CALCOCO2, REL, UBC, PDE12, BTF3L4, NPLOC4, EHD4, UBQLN2, NT5C2, WDR4, PAIP1, PLIN3, SAE1, OXSR1, API5, XPNPEP1, WARS, RAD23B, TWF1, DNAJB1, GTF2I, EIF1AX, DRG2, CTSC, NOV, TYMS, SUMO1, DDA1, USP15, USP4,</p> <p>Protein Size: 484</p>
Molecular Weight:	55 kDa
Gene ID:	158
NCBI Accession:	NM_000026 , NP_000017
UniProt:	P30566
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 484 AA
Restrictions:	For Research Use only

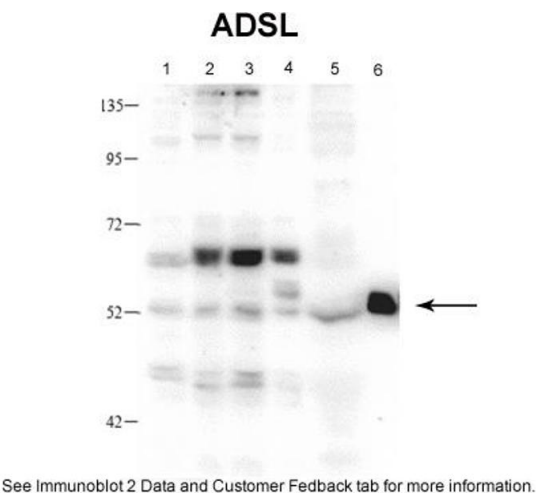
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

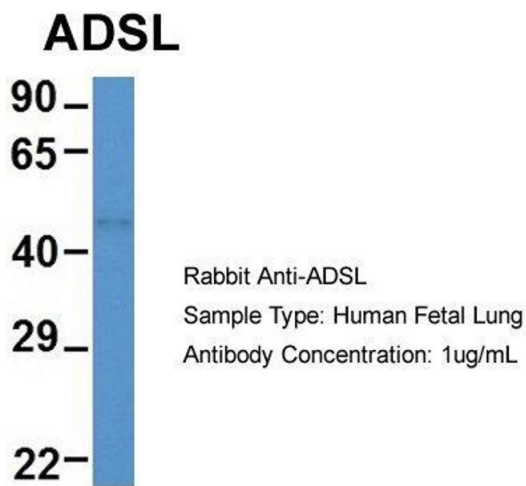
Image 1. Sample Type: 1. Hamster CHO K1 cells (20ug)
2. HeLa skin cells(100ug)
3. HEK273 cells (100ug)
4. HepG2 cells (100ug)
5. purified human ADSL protein (40ng)

Primary Dilution: 1:2000

Secondary Antibody: Clean-Blot IP detection Reagent and Kit

Secondary Dilution: 1:2000

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Western Blotting

Image 2. Host: Rabbit
Target Name: ADSL
Sample Tissue: Human Fetal Lung
Antibody Dilution: 1.0 µg/mL