

Datasheet for ABIN7262084

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

## Overview

Quantity:	200 µL
Target:	Adenylosuccinate Lyase (ADSL)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylosuccinate Lyase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human ADSL (NP_000017.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	Adenylosuccinate Lyase (ADSL)
Alternative Name:	ADSL ( <a href="#">ADSL Products</a> )
Background:	The protein encoded by this gene belongs to the lyase 1 family. It is an essential enzyme involved in purine metabolism, and catalyzes two non-sequential reactions in the de novo purine biosynthetic pathway: the conversion of succinylaminoimidazole carboxamide ribotide (SAICAR) to aminoimidazole carboxamide ribotide (AICAR) and the conversion of

## Target Details

adenylosuccinate (S-AMP) to adenosine monophosphate (AMP). Mutations in this gene are associated with adenylosuccinase deficiency (ADSLD), a disorder marked with psychomotor retardation, epilepsy or autistic features. Alternatively spliced transcript variants have been found for this gene.

Molecular Weight: Observed\_MW: 55 kDa  
Calculated\_MW: 48 kDa/54 kDa

Gene ID: 158

UniProt: [P30566](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

## Application Details

Application Notes: WB 1:500-1:2000 IF 1:20-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

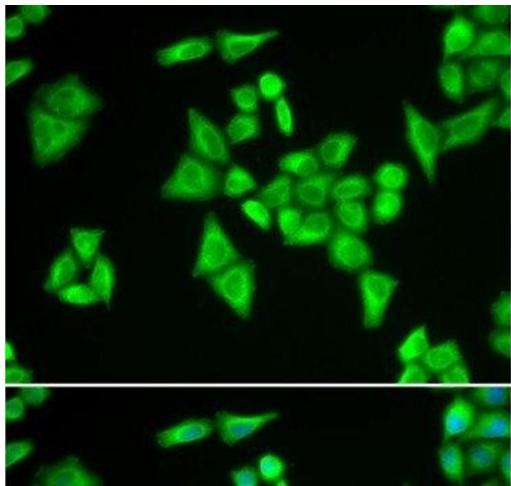
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

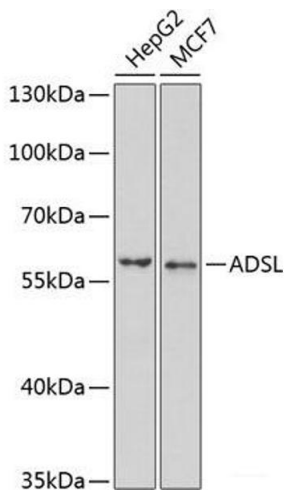
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

**Image 1.** Immunofluorescence analysis of HeLa cells using ADSL Polyclonal Antibody



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using ADSL Polyclonal Antibody at dilution of 1:1000.