

Nur für Forschungszwecke

# Adenylosuccinate lyase Polyklonaler Antikörper



Katalog-Nr.:15264-1-AP

2 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15264-1-AP	<b>GenBank-Zugangsnummer:</b> BC000253	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 350 µg/ml von Nanodrop und 220 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 158	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:20-1:200 IF 1:10-1:100
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> adenylosuccinate lyase	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 55 kDa	
<b>Immunogen Katalognummer:</b> AG7332	<b>Beobachtete Masse:</b> 55 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	<b>WB :</b> HeLa-Zellen, HepG2-Zellen, NIH/3T3-Zellen, RAW264.7-Zellen
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IHC :</b> humanes Leberkarzinomgewebe,
<b>Zitierte Arten:</b> Human	<b>IF :</b> HeLa-Zellen,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

ADSL(adenylosuccinate lyase) is also named as AMPS, ASase, ASL and belongs to the lyase 1 family. It is an enzyme involved in 2 pathways of purine nucleotide metabolism and catalyzes cleavage of succinyl groups to yield fumarate(PMID:18524658). Defects in ADSL are the cause of adenylosuccinase deficiency (ADSL deficiency). In humans, mutations in ADSL lead to an inborn error of metabolism originally characterized by developmental delay, often with autistic features(PMID:20884265).The ADSL enzymatic activity is reduced in lymphocytes and red blood cells of the patient with severe psychomotor retardation(PMID:9545543). It has 2 isoforms produced by alternative splicing.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Eunus S Ali	32485148	Mol Cell	WB
Xiaoting Chen	33869182	Front Cell Dev Biol	WB, IHC

## Lagerung

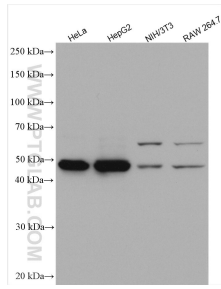
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

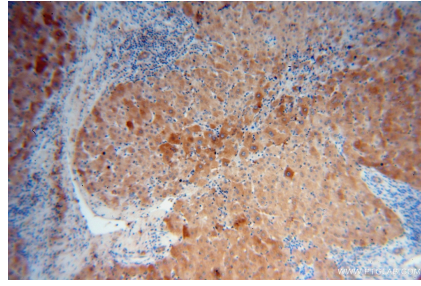
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

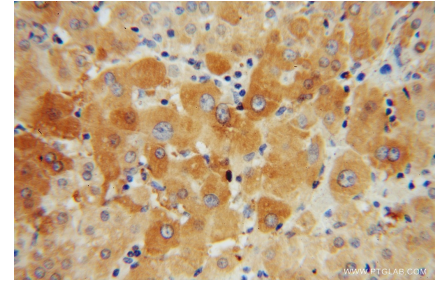
## Ausgewählte Validierungsdaten



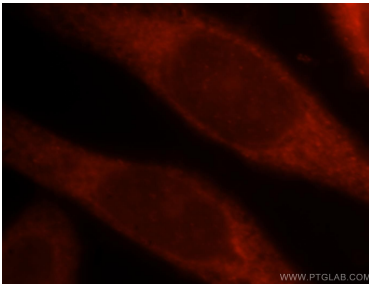
Various lysates were subjected to SDS PAGE followed by western blot with 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



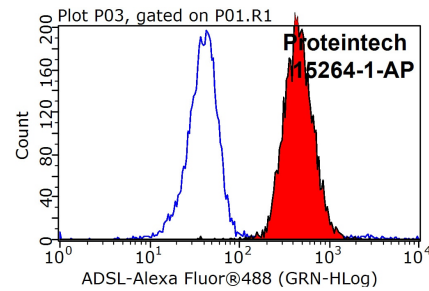
Immunohistochemical analysis of paraffin-embedded human liver cancer using 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using ADSL antibody 15264-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug Adenylosuccinate lyase antibody (15264-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.