

For Research Use Only

ADSL Polyclonal antibody, PBS Only

Catalog Number:15264-1-PBS



Basic Information

Catalog Number: 15264-1-PBS	GenBank Accession Number: BC000253	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 158	
Isotype: IgG	UNIPROT ID: P30566	
Immunogen Catalog Number: AG7332	Full Name: adenylosuccinate lyase	
	Calculated MW: 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

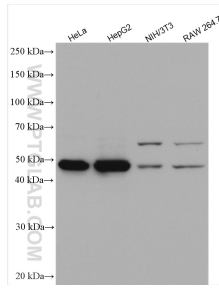
T: 4006900926

E: Proteintech-CN@ptglab.com

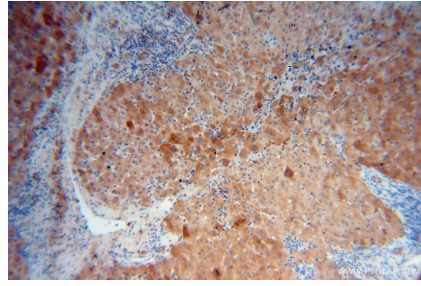
W: ptgcn.com

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

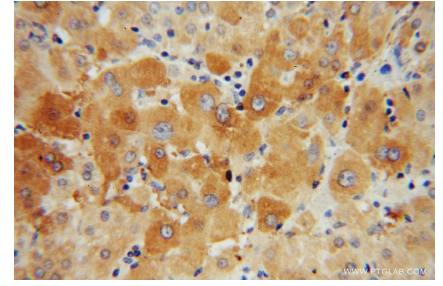
Selected Validation Data



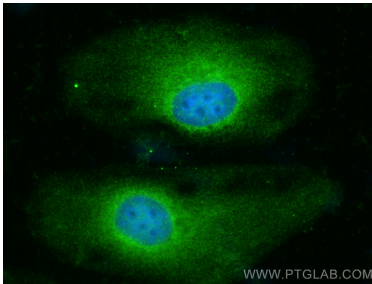
Various lysates were subjected to SDS PAGE followed by western blot with 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15264-1-PBS in a different storage buffer formulation.



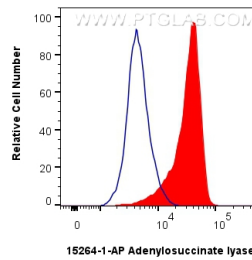
Immunohistochemical analysis of paraffin-embedded human liver cancer using 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 15264-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15264-1-AP (Adenylosuccinate lyase antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 15264-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Adenylosuccinate lyase antibody (15264-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 15264-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Adenylosuccinate lyase Polyclonal antibody (15264-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 15264-1-PBS in a different storage buffer formulation.