

Datasheet for ABIN4996123

## **anti-Adenylosuccinate Lyase antibody (AA 185-280) (AbBy Fluor® 680)**



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### Overview

Quantity:	100 µL
Target:	Adenylosuccinate Lyase (ADSL)
Binding Specificity:	AA 185-280
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylosuccinate Lyase antibody is conjugated to AbBy Fluor® 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Adenylosuccinate Lyase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	Adenylosuccinate Lyase (ADSL)
Alternative Name:	Adenylosuccinate Lyase ( <a href="#">ADSL Products</a> )

## Target Details

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**Background:** Synonyms: Adenylosuccinase, Adenylosuccinate lyase, ADSL, AMPS, ASase, ASL, PUR8\_HUMAN.

Background: 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, Jul 2008].

**Pathways:** [Ribonucleoside Biosynthetic Process](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

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

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

**Expiry Date:** 12 months