

ARG58337 anti-ADSL / Adenylosuccinate Lyase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ADSL / Adenylosuccinate Lyase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADSL / Adenylosuccinate Lyase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-310 of Human ADSL (NP_000017.1).
Conjugation	Un-conjugated
Alternate Names	ASASE; ASase; EC 4.3.2.2; Adenylosuccinase; Adenylosuccinate lyase; AMPS; ASL

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	47 kDa	

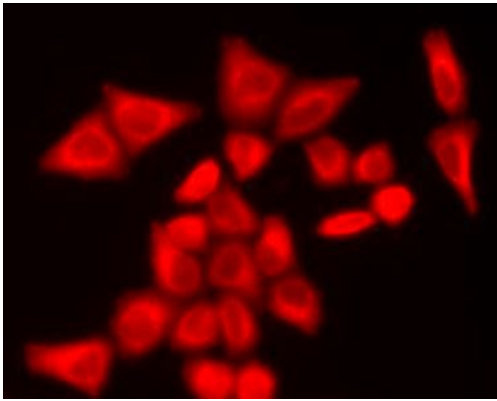
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

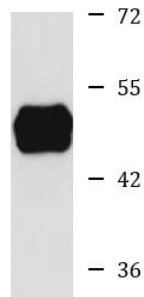
Gene Symbol	ADSL
Gene Full Name	adenylosuccinate lyase
Background	Adenylosuccinate lyase is involved in both de novo synthesis of purines and formation of adenosine monophosphate from inosine monophosphate. It catalyzes two reactions in AMP biosynthesis: the removal of a fumarate from succinylaminoimidazole 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]
Function	Catalyzes two non-sequential steps in de novo AMP synthesis: converts (S)-2-(5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxamido)succinate (SAICAR) to fumarate plus 5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxamide, and thereby also contributes to de novo IMP synthesis, and converts succinyladenosine monophosphate (SAMP) to AMP and fumarate. [UniProt]
Calculated Mw	55 kDa

Images



ARG58337 anti-ADSL / Adenylosuccinate Lyase antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58337 anti-ADSL / Adenylosuccinate Lyase antibody.



Jurkat

ARG58337 anti-ADSL / Adenylosuccinate Lyase antibody WB image

Western blot: 25 µg of Jurkat cell lysate stained with ARG58337 anti-ADSL / Adenylosuccinate Lyase antibody at 1:1000 dilution.