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Datasheet for ABIN7111349

anti-Adenylosuccinate Lyase antibody

Overview

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|--------------|--|
| Quantity: | 100 µg |
| Target: | Adenylosuccinate Lyase (ADSL) |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Adenylosuccinate Lyase antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

| | |
|---------------|---------------------------------|
| Immunogen: | adenylosuccinate lyase |
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

| | |
|-------------------|---|
| Target: | Adenylosuccinate Lyase (ADSL) |
| Alternative Name: | Adenylosuccinate lyase (ADSL Products) |
| Background: | Synonyms: Adenylosuccinase, adenylosuccinate lyase, ADSL, AMPS, ASASE, ASL Background: 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 |

Target Details

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.

Molecular Weight: 55 kDa

Gene ID: 158

UniProt: [P30566](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: WB: 1:500-1:5000, IHC: 1:20-1:200, IF: 1:10-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months