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# Product datasheet for TA342801

## Adenylosuccinate Lyase (ADSL) Rabbit Polyclonal Antibody

### Product data:

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|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen for anti-ADSL antibody: synthetic peptide directed towards the middle region of human ADSL. Synthetic peptide located within the following region: RVRDDLRFRGVKGTTGTQASFLQLFEGDDHKVEQLDKMVTEKAGFKRAFI |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 55 kDa |
| **Gene Name:** | adenylosuccinate lyase |
| **Database Link:** | NP_000017<br>Entrez Gene 158 Human<br>P30566 |
| **Background:** | Adenylsuccinate 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. |

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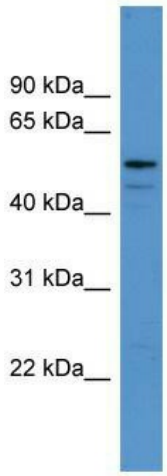
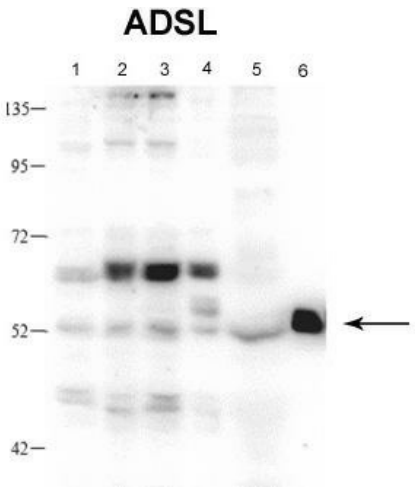
|---|---|
| **Synonyms:** | AMPS; ASASE; ASL |
| **Note:** | Immunogen Sequence Homology: Human: 100%; Pig: 93%; Sheep: 93%; Bovine: 93%; Rabbit: 93%; Dog: 86%; Rat: 86%; Horse: 86%; Mouse: 86%; Guinea pig: 86% |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism |

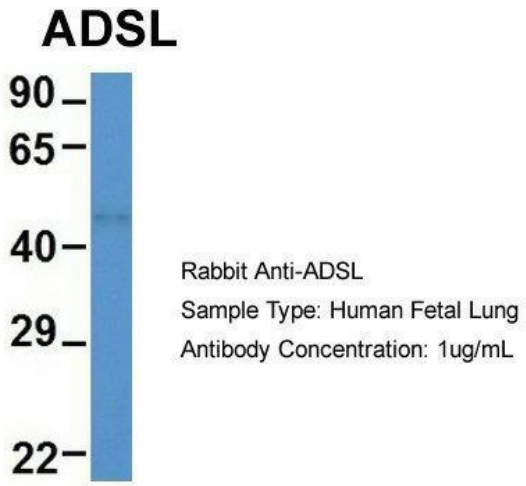
## Product images:




WB Suggested Anti-ADSL Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human Muscle




Sample Type: 1. Hamster CHO K1 cells (20ug); 2. HeLa skin cells (100ug); 3. HEK273 cells (100ug); 4. HepG2 cells (100ug); 5. purified human ADSL protein (40ng); Primary Dilution: 1:2000; Secondary Antibody: Clean-Blot IP detection Reagent and Kit; Secondar




Host: Rabbit; Target Name: ADSL; Sample Tissue: Human Fetal Lung; Antibody Dilution: 1.0 ug/ml