

Rabbit Adenylosuccinate Lyase Polyclonal Antibody | anti-ASL antibody

Anti-Adenylosuccinate Lyase Picoband Antibody

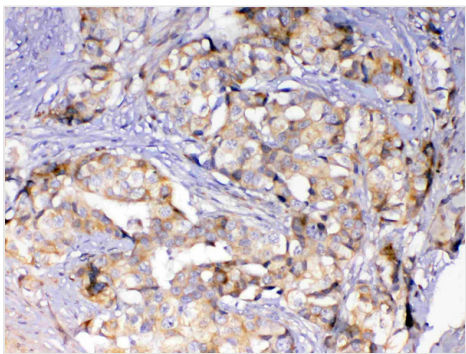
CATALOG # AAA124591	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

Adenylosuccinate Lyase; Polyclonal Antibody; Anti-Adenylosuccinate Lyase Picoband Antibody; Argininosuccinate lyase; ASAL; 4.3.2.1; Arginosuccinase; ASL; anti-ASL antibody

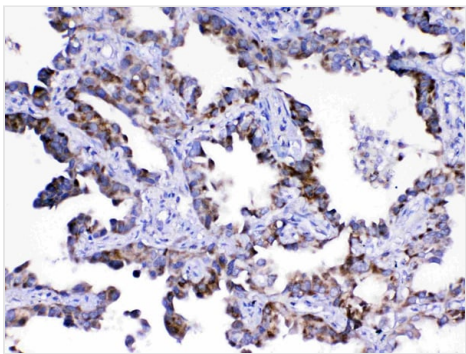
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	438
Applicable Applications for anti-ASL antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence of human Adenylosuccinate Lyase (YTHLQRAQPIRWSHWILSHAVALTRDSERLLEVRKRIN).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



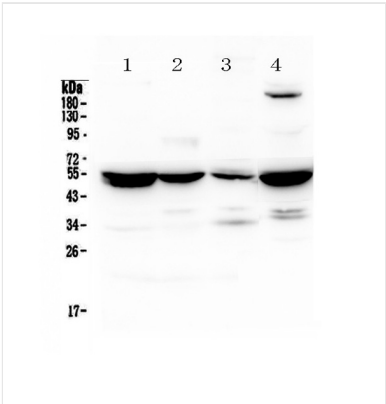
IHC (Immunohistochemisry)

Figure 3. IHC analysis of Adenylosuccinate Lyase using anti-Adenylosuccinate Lyase antibody (AAA124591).Adenylosuccinate Lyase was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Adenylosuccinate Lyase Antibody (AAA124591) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of Adenylosuccinate Lyase using anti-Adenylosuccinate Lyase antibody (AAA124591).Adenylosuccinate Lyase was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Adenylosuccinate Lyase Antibody (AAA124591) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Adenylosuccinate Lyase using anti-Adenylosuccinate Lyase antibody (AAA124591).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: rat liver tissue lysates,Lane 2: rat kidney tissue lysates,Lane 3: rat lung tissue lysates,Lane 4: mouse liver tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Adenylosuccinate Lyase antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Adenylosuccinate Lyase at approximately 52KD. The expected band size for Adenylosuccinate Lyase is at 52KD.

ADDITIONAL INFORMATION

Related Product Information for anti-ASL antibody

ASL (argininosuccinatelyase, also known as argininosuccinase) is an enzyme that catalyzes the reversible breakdown of argininosuccinate (ASA) producing the amino acid arginine and dicarboxylic acid fumarate. Located in liver cytosol, ASL is the fourth enzyme of the urea cycle and involved in the biosynthesis of arginine in all species and the production of urea in ureotelic species. Mutations in ASL, resulting low activity of the enzyme, increase levels of urea in the body and result in various side effects. The ASL gene is located on chromosome 7 between the centromere (junction of the long and short arm) and the long (q) arm at position 11.2, from base pair 64,984,963 to base pair 65,002,090.

Product Categories/Family for anti-ASL antibody

Signal Transduction; Metabolism; Energy Metabolism; Metabolism; Pathways and Processes; Metabolic Signaling Pathways; Energy Transfer Pathways; Types of Disease; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	31541964
NCBI GeneID	435
NCBI Accession #	NP_000039.2
NCBI GenBank Nucleotide #	NM_000048.3
UniProt Accession #	P04424; Q6LDS5; Q96HS2; E7EMI0; E9PE48
Molecular Weight	51658 MW
NCBI Official Full Name	argininosuccinate lyase isoform 1
NCBI Official Synonym Full Names	argininosuccinate lyase
NCBI Official Symbol	ASL
NCBI Official Synonym Symbols	ASAL
NCBI Protein Information	argininosuccinate lyase
UniProt Protein Name	Argininosuccinate lyase
UniProt Gene Name	ASL
UniProt Synonym Gene Names	ASAL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/adenylosuccinate-lyase-antibody-western-blot-immunohistochemistry-elisa/124591>