SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-DARS antibody

**Catalog Number: SL14197R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

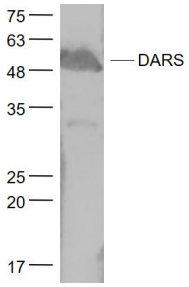
| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | DARS |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human Cell proliferation inducing protein 40: 401-501/501 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human, Mouse, (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep) |
| **Predicted MW.:** | 57kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis. [provided by RefSeq, Jul 2008]<br>**Function:** Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.<br>**Subcellular Location:** Cytoplasm.<br>**Similarity:** Belongs to the class-II aminoacyl-tRNA synthetase family.<br>**Database links:** |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

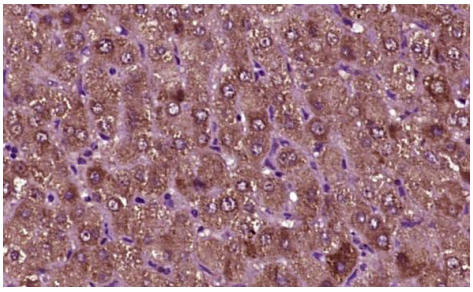
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| | |
|---|---|
| | **Entrez Gene:** 1615 Human<br>**Entrez Gene:** 510162 Cow<br>**Entrez Gene:** 226414 Mouse<br>**Entrez Gene:** 116483 Rat<br>Omim: 603084 Human<br>**SwissProt:** Q3SYZ4 Cow<br>**SwissProt:** P14868 Human<br>**SwissProt:** Q922B2 Mouse<br>**SwissProt:** P15178 Rat<br>**Unigene:** 503787 Human<br>**Unigene:** 28693 Mouse<br>**Unigene:** 431446 Mouse<br>**Unigene:** 2388 Rat |

## [ VALIDATION IMAGES ]




Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti- DARS (SL14197R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kD
Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DARS) Polyclonal Antibody, Unconjugated (SL14197R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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