

DARS Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55454**Specification**

DARS Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	P14868
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57136

DARS Polyclonal Antibody - Additional Information**Gene ID** 1615**Other Names**

Aspartate--tRNA ligase, cytoplasmic, 6.1.1.12, Aspartyl-tRNA synthetase, AspRS, Cell proliferation-inducing gene 40 protein, DARS1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2678 target="_blank">HGNC:2678), DARS

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DARS Polyclonal Antibody - Protein Information**Name** DARS1 ([HGNC:2678](#))**Synonyms** DARS**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.

Cellular Location

Cytoplasm, cytosol.

Tissue Location

Expression in the developing and adult brain shows similar patterns. Highly expressed in the ventricular and subventricular zones, including hippocampal subfields, the midlateral temporal cortex and the frontal polar cortex. The cerebellum, cerebral cortex, hippocampus, and lateral

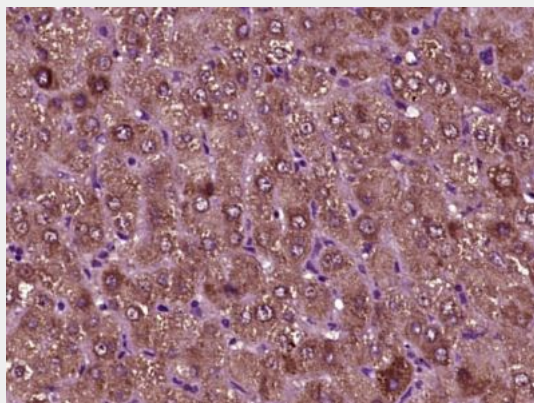
ventricle show preferential neuronal expression. Expression in the peripheral neurons is evident in the colon.

DARS Polyclonal Antibody - Protocols

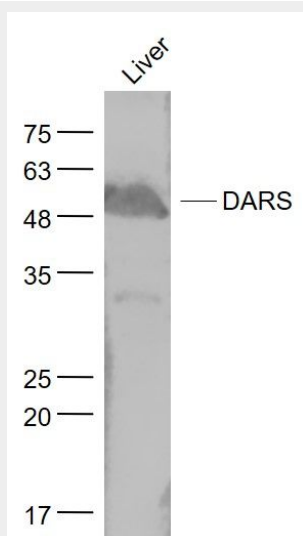
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DARS Polyclonal Antibody - Images



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 (bs-14197R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti- DARS (bs-14197R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 57 kD