

DARS Antibody (clone 2F11)
Mouse Monoclonal Antibody
Catalog # ALS13298**Specification**

DARS Antibody (clone 2F11) - Product Information

Application	WB, IHC
Primary Accession	P14868
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	57kDa kDa

DARS Antibody (clone 2F11) - 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, DARS

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

DARS Antibody (clone 2F11) is for research use only and not for use in diagnostic or therapeutic procedures.

DARS Antibody (clone 2F11) - 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

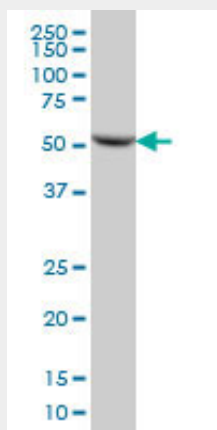
Expression in the developing and adult brain shows similar patterns. Highly expressed in the ventricular and subventricular zones, including hippocampal subfields, the midlateral temporal cortex and the frontal polar cortex. The cerebellum, cerebral cortex, hippocampus, and lateral ventricle show preferential neuronal expression. Expression in the peripheral neurons is evident in the colon.

DARS Antibody (clone 2F11) - Protocols

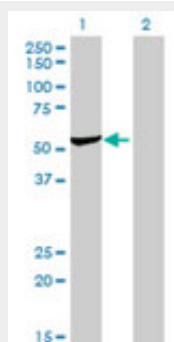
Provided below are standard protocols that you may find useful for product applications.

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

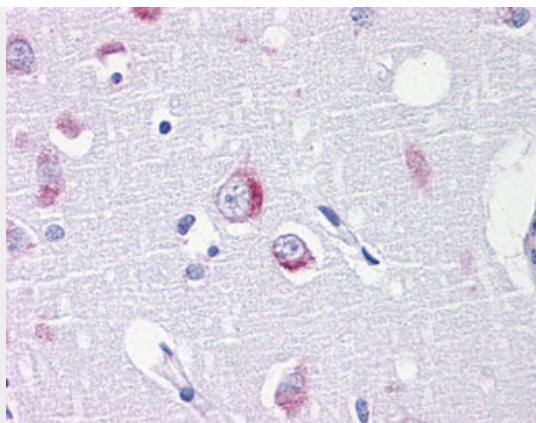
DARS Antibody (clone 2F11) - Images



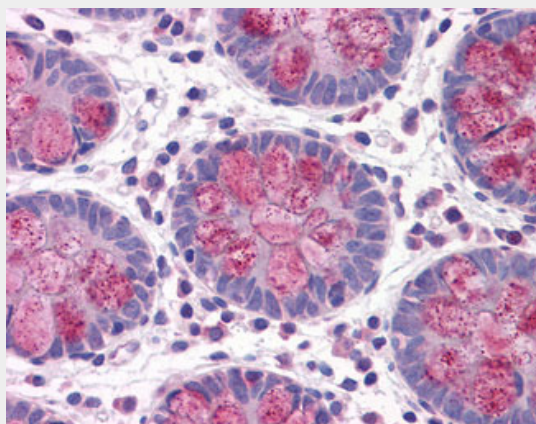
DARS monoclonal antibody, clone 2F11 Western blot of DARS expression in HeLa.



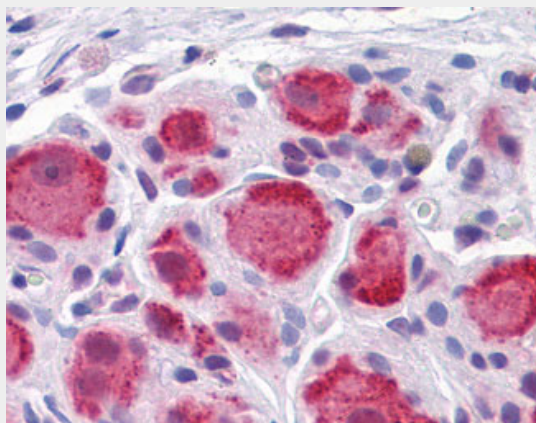
Western blot of DARS expression in transfected 293T cell line by DARS monoclonal antibody, clone...



Anti-DARS antibody IHC of human brain, cortex.



Anti-DARS antibody IHC of human colon.



Anti-DARS antibody IHC of human ganglion cells.

DARS Antibody (clone 2F11) - Background

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.

DARS Antibody (clone 2F11) - References

Jacobo-Molina A., et al. J. Biol. Chem. 264:16608-16612(1989).
Kim J.W., et al. Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.

Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.