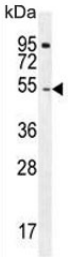
DARS1 Antibody (F54347)

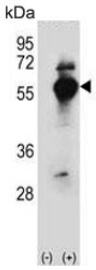
Catalog No.	Formulation	Size
F54347-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54347-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

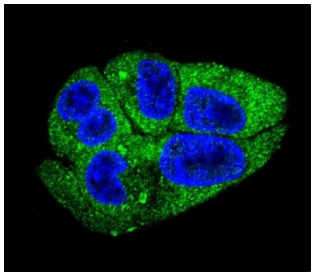
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P14868
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This DARS1 antibody is available for research use only.



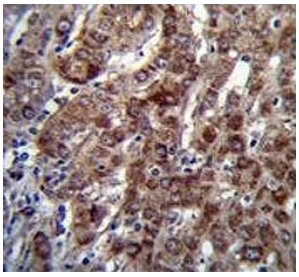
Western blot testing of human Jurkat cell lysate with DARS1 antibody. Predicted molecular weight ~57 kDa.



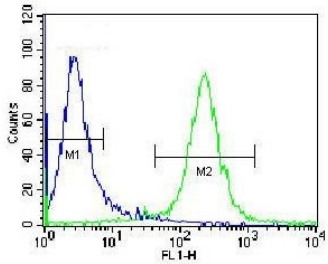
Western blot testing of (left) non-transfected and (right) transfected 293 cell lysate with DARS1 antibody. Predicted molecular weight ~57 kDa.



Immunofluorescent staining of fixed and permeabilized human HepG2 cells with DARS1 antibody (green) and DAPI nuclear stain (blue).



IHC testing of FFPE human liver tissue with DARS1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human Jurkat cells with DARS1 antibody; Blue=isotype control, Green= DARS1 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the DARS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 154-183 from the human protein was used as the immunogen for the DARS1 antibody.

Storage

Aliquot the DARS1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.