

Product datasheet for **AP51185PU-N**

DARS (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunofluorescence: 1/10-/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 161-190 amino acids from the N-terminal region of Human DARS.
Specificity:	This antibody recognizes Human DARS (N-term).
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aspartyl-tRNA synthetase
Database Link:	Entrez Gene 1615 Human P14868



[View online »](#)

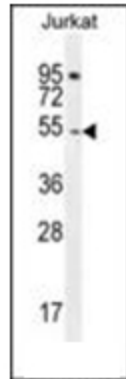
Background: Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis.

Synonyms: DARS, PIG40, AspRS, Aspartate-tRNA ligase

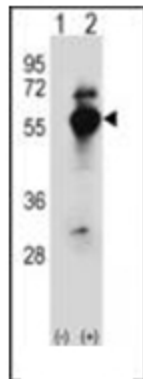
Note: **Molecular Weight:** 57136 Da

Protein Pathways: Aminoacyl-tRNA biosynthesis

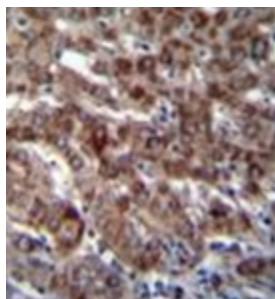
Product images:



Western blot analysis of DARS1 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). This demonstrates the DARS antibody detected the DARS protein (arrow).



Western blot analysis of DARS (arrow) using DARS1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DARS gene.



Formalin fixed and paraffin embedded human liver tissue stained with DARS1 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Confocal immunofluorescent analysis of DARS1 Antibody (N-term) with HepG2 cell followed by Alexa Fluor 488-conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).