

Product datasheet for **AP52812PU-N**

NARS (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 31-60 amino acids from the N-terminal region of human NARS
Specificity:	This antibody recognizes Human NARS (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
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:	asparaginyl-tRNA synthetase
Database Link:	Entrez Gene 4677 Human O43776



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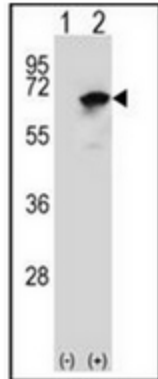
Background: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase is localized to the cytoplasm and belongs to the class II family of tRNA synthetases. The N-terminal domain represents the signature sequence for the eukaryotic asparaginyl-tRNA synthetases.

Synonyms: ASNS, Asparaginyl tRNA synthetase

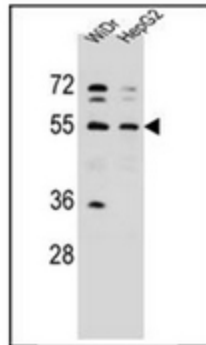
Note: **Molecular Weight:** 62943 Da

Protein Pathways: Aminoacyl-tRNA biosynthesis

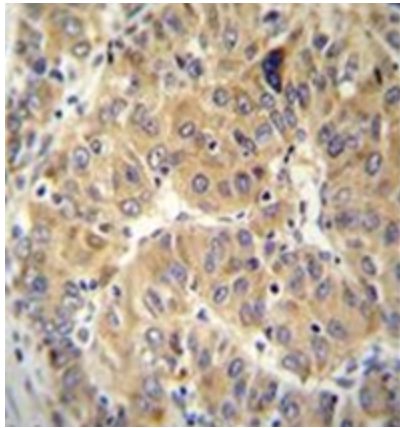
Product images:



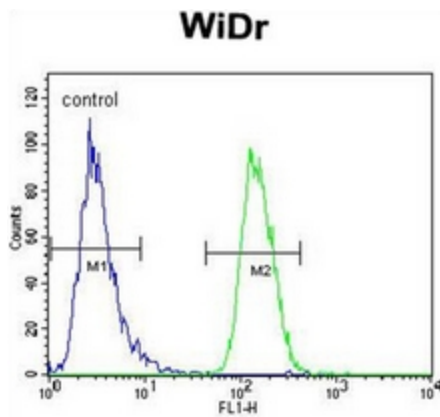
Western blot analysis of NARS (arrow) using NARS Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NARS gene.



Western blot analysis of NARS Antibody (N-term) in WiDr, HepG2 cell line lysates (35ug/lane). This demonstrates the NARS antibody detected the NARS protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma reacted with NARS Antibody (N-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of NARS Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow cytometric analysis of WiDr cells using NARS Antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.