

NARS antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14682**Specification****NARS antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	O43776
Other Accession	NM_004539 , NP_004530
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Rat, Rabbit, Pig, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 60kDa KDa

NARS antibody - N-terminal region - Additional Information**Gene ID 4677**

Alias Symbol	ASNRS, NARS1
Other Names	
Asparagine--tRNA ligase, cytoplasmic, 6.1.1.22, Asparaginyl-tRNA synthetase, AsnRS, NARS	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-NARS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NARS antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

NARS antibody - N-terminal region - Protein Information

Name NARS1 ([HGNC:7643](#))

Function

Catalyzes the attachment of asparagine to tRNA(Asn) in a two- step reaction: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn) (PubMed: [32738225](http://www.uniprot.org/citations/32738225), PubMed: [32788587](http://www.uniprot.org/citations/32788587), PubMed: [9421509](http://www.uniprot.org/citations/9421509)). In addition to its essential role in protein synthesis, acts as a signaling molecule that induced migration of CCR3-expressing cells (PubMed: [12235211](http://www.uniprot.org/citations/12235211), PubMed: [30171954](http://www.uniprot.org/citations/30171954))

target="_blank">30171954). Has an essential role in the development of the cerebral cortex, being required for proper proliferation of radial glial cells (PubMed:32788587).

Cellular Location

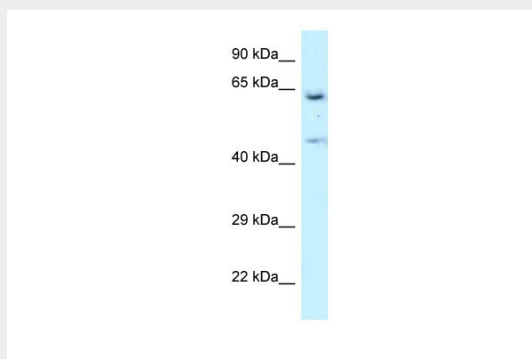
Cytoplasm.

NARS antibody - N-terminal region - 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](#)

NARS antibody - N-terminal region - Images



WB Suggested Anti-NARS Antibody Titration: 1.0 µg/ml
Positive Control: U937 Whole Cell

NARS antibody - N-terminal region - References

Beaulande M., et al. Nucleic Acids Res. 26:521-524(1998).
Shiba K., et al. Nucleic Acids Res. 26:5045-5051(1998).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Nusbaum C., et al. Nature 437:551-555(2005).