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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	**Human, Rat, Rabbit, Pig, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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:9421509, PubMed:32738225, PubMed:32788587). In addition to its essential role in protein synthesis, acts as a signaling molecule that induced migration of CCR3-expressing cells (PubMed:30171954, PubMed:<a href="http://www.uniprot.org/citations/12235211"

target="_blank">12235211). Has an essential role in the development of the cerebral cortex, being required for proper proliferation of radial glial cells (PubMed:32788587).

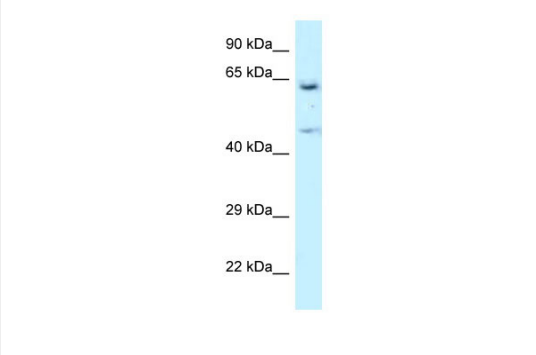
Cellular Location
Cytoplasm.

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 Cytomety
- 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).
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Nusbaum C.,et al.Nature 437:551-555(2005).