



Rabbit Anti-Human NARS Polyclonal Antibody (CABT-L2250)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Asparaginyl tRNA Synthetase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against NARS. It has been selected for its ability to recognize NARS in immunohistochemical staining and western blotting.
Target	NARS
Immunogen	Recombinant fragment corresponding to human NARS (Met1~Arg330)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction 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. [provided by RefSeq, Jul 2008]

Keywords AsnRS;NARS1;KS;Asparagine tRNA Ligase 1,Cytoplasmic

GENE INFORMATION

Gene Name	NARS asparaginyl-tRNA synthetase [Homo sapiens (human)]
Official Symbol	NARS
Synonyms	NARS; asparaginyl-tRNA synthetase; ASNRS; NARS1; asparagine--tRNA ligase, cytoplasmic; asparagine tRNA ligase 1, cytoplasmic; asparaginyl-tRNA synthetase, cytoplasmic;
Entrez Gene ID	4677
Protein Refseq	NP_004530
UniProt ID	O43776
Chromosome Location	18q21.31
Pathway	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; Gene Expression; tRNA Aminoacylation;
Function	ATP binding; asparagine-tRNA ligase activity; nucleic acid binding;