

Rabbit anti-Human NARS2 Polyclonal Antibody | anti-NARS2 antibody

Anti-NARS2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255991	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NARS2; Polyclonal Antibody; Anti-NARS2 Antibody; Rabbit Polyclonal; NARS2 Antibody; Rabbit PAb; Antigen Affinity Purified; asparaginyl-tRNA synthetase 2; mitochondrial (putative); Anti-asnRS Antibody; Anti-SLM5 Antibody; anti-NARS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NARS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NARS2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NARS2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NARS2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

NARS2 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate, 4 uL anti-NARS2 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-NARS2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 54 kDa. Observed band size: 54 kDa.



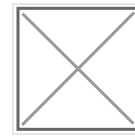
IHC (Immunohistochemistry)

Immunochemical staining of human NARS2 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human NARS2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-NARS2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: U937 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 54 kDa Observed band size: 54 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NARS2 antibody

NARS2 (Asparaginyl-tRNA Synthetase 2, Mitochondrial) is a Protein Coding gene. The NARS2 gene, located on 11q14.1, is conserved in chimpanzee, Rhesus monkey, dog, and cow, etc. NARS2 belongs to the class-II aminoacyl-tRNA synthetase family. This gene encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of asparagine to tRNA molecules. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency 24 (COXPD24). NARS2 mutations cause various clinical phenotypes, including non-syndromic hearing loss, Leigh syndrome, intellectual disability with epilepsy, and severe myopathy.

References

Mizuguchi T, et al. (2017) Erratum: Pars2 and nars2 mutations in infantile-onset neurodegenerative disorder. J Hum Genet 62 (5): 587. Liu G, et al. (2018) Alzheimer's disease risk variant rs2373115 regulates gab2 and nars2 expression in human brain tissues. J Mol Neurosci 66 (1): 37-43. Bruwer Z, et al. (2018) Inborn errors of metabolism in a cohort of pregnancies with non-immune hydrops fetalis: A single center experience. J Perinat Med 46 (9): 968-974.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nars2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255991>