

Product Datasheet

NARS Antibody - BSA Free NBP1-31896

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31896

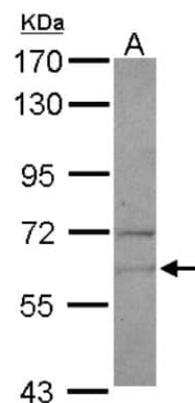
NARS Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol
Target Molecular Weight	63 kDa
Product Description	
Description	Novus Biologicals Rabbit NARS Antibody - BSA Free (NBP1-31896) is a polyclonal antibody validated for use in IHC and WB. Anti-NARS Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4677
Gene Symbol	NARS1
Species	Human, Mouse
Immunogen	Recombinant protein encompassing a sequence within the center region of human NARS. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000



Images

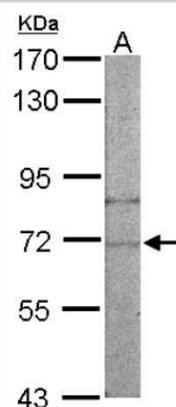
Western Blot: NARS Antibody [NBP1-31896] - Sample (30 ug of whole cell lysate) A: U87-MG 7.5% SDS PAGE, antibody diluted at 1:500.



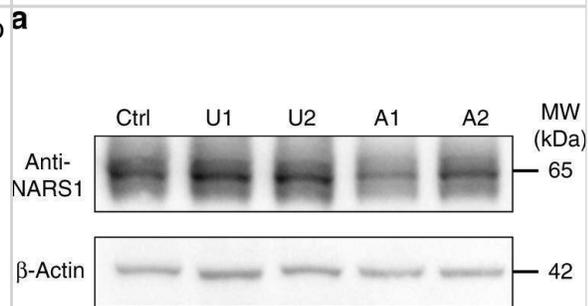
Immunohistochemistry-Paraffin: NARS Antibody [NBP1-31896] - Paraffin-embedded Breast ca, using antibody at 1:250 dilution.



Western Blot: NARS Antibody [NBP1-31896] - Sample (50 ug of whole cell lysate) A: mouse liver 7.5% SDS PAGE, antibody diluted at 1:500.



Patients cells display loss of NARS1 functions. a Fibroblast cells from two unaffected (U1 and U2) and two affected (A1 and A2) show reduced levels compared with actin control. b Quantification results for WB, $n = 3$, Error bar: \pm SD. c Overexpression in cDNA expressing patient variants in HEK293T cells showed unstable NARS1 protein. d Reduced NARS1 tRNA synthetase activity in patient fibroblasts. $n = 3$, Error bar: \pm SD. e Other tRNA-ARS activity not impaired in NARS1 mutated cells. TARS: Threonyl-tRNA synthetase; KARS: lysyl-tRNA synthetase; RARS: arginyl-tRNA synthetase. $n = 3$, Error bar: \pm SD. f Patient iPSCs showed reduced puromycin incorporation after 1 h pulse, indicating reduced protein synthesis. For the quantification data in (b) and (d), $n = 3$ represents three independent biological replicates, two-tailed p values based upon Student t-test with Holm-Sidak multiple comparison correction, and individual p value was shown in (b, d); Source data are provided as a Source Data file. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32788587>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wang L, Li Z, Sievert D et al. Loss of NARS1 impairs progenitor proliferation in cortical brain organoids and leads to microcephaly Nat Commun 2020-08-12 [PMID: 32788587] (WB, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-31896

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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