

# Product Datasheet

## DARS Antibody - BSA Free NBP1-85937

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 3

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Updated 2/21/2025 v.20.1

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**NBP1-85937**

DARS Antibody - BSA Free

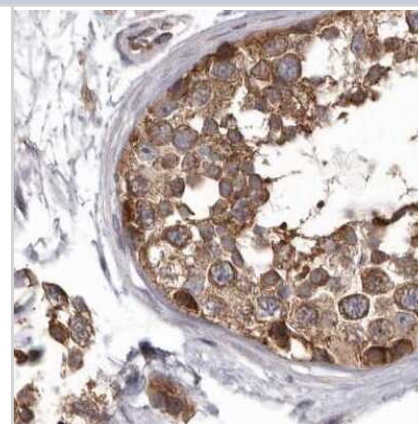
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	1615
Gene Symbol	DARS1
Species	Human, Mouse
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MPSASASRKSQEKPREIMDAAEDYAKERYGISSMIQSQEKPDRVLRVVRDLTIQ KADEVVWVRARVHTSRKKGKQCFLVLRQQFNVQALVAVGDHASKQMVKFA ANINKESIVDVEGVVRKVNQKIGSCTQQDV

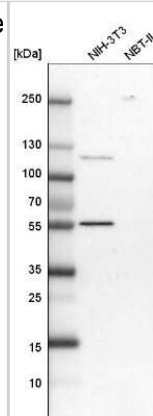
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

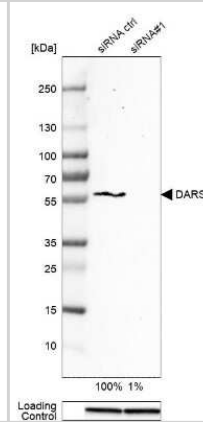
Immunohistochemistry-Paraffin: DARS Antibody [NBP1-85937] - Staining of human testis.



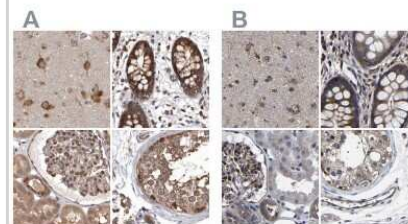
Western Blot: DARS Antibody [NBP1-85937] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



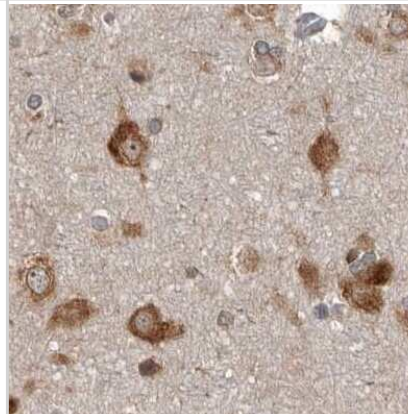
Western Blot: DARS Antibody [NBP1-85937] - Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-DARS antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



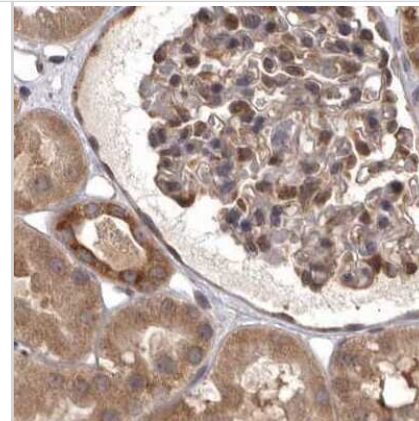
Immunohistochemistry-Paraffin: DARS Antibody [NBP1-85937] - Staining of human cerebral cortex, colon, kidney and testis using Anti-DARS antibody NBP1-85937 (A) shows similar protein distribution across tissues to independent antibody NBP1-86027 (B).



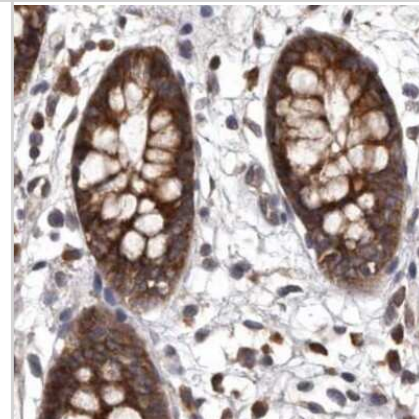
Immunohistochemistry-Paraffin: DARS Antibody [NBP1-85937] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: DARS Antibody [NBP1-85937] - Staining of human kidney.



Immunohistochemistry-Paraffin: DARS Antibody [NBP1-85937] - Staining of human colon.



## Publications

Klugmann M, Suchowerska A, Housley G, Fröhlich D Histological and biochemical methods to assess aminoacyl-tRNA synthetase expression in human post-mortem brain tissue Rare Disease and Orphan Drugs Journal 2023-04-20 (Western Blot, Human)

Frohlich D, Suchowerska AK, Voss C et al. Expression Pattern of the Aspartyl-tRNA Synthetase DARS in the Human Brain. Front Mol Neurosci 2018-03-20 [PMID: 29615866] (WB, Human)

Frohlich D, Suchowerska AK, Spencer ZH et al. In vivo characterization of the aspartyl-tRNA synthetase DARS: Homing in on the leukodystrophy HBSL. Neurobiol. Dis. 2017-01-01 [PMID: 27816769] (Mouse)



### **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 NBP1-85937**

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NBP1-85937PEP	DARS Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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