

Product Datasheet

CARS Antibody - BSA Free NBP1-86624

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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NBP1-86624

CARS 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

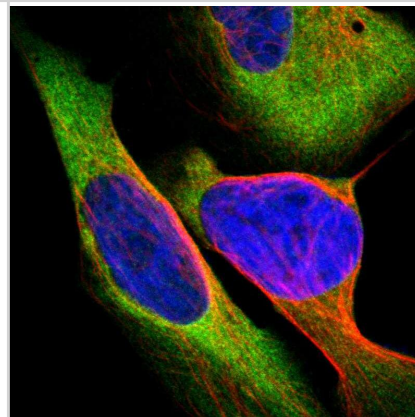
Product Description	
Description	Novus Biologicals Rabbit CARS Antibody - BSA Free (NBP1-86624) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CARS Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	833
Gene Symbol	CARS1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SQCPLYMAARKAVRKRPNQALLENIALYLTHMLKIFGAVEEDSSLGFPVGGPG TSLSEATVMPYLQVLSEFREGVRKIAREQKVPEILQLSDALRDNILPELGVRFE DHEGLPTVVKLVDRNTLLKEREEKRRVE

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

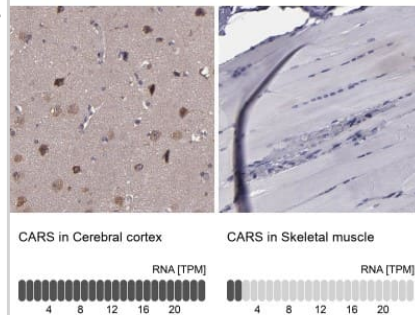


Images

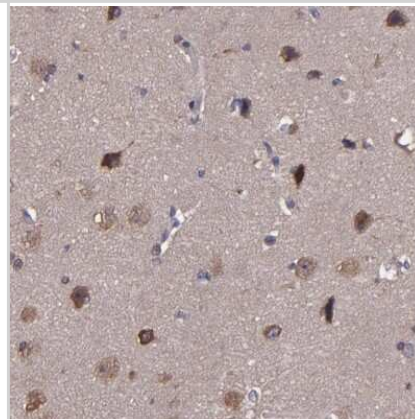
Staining of human cell line U-2 OS shows localization to cytosol.



Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining in human cerebral cortex and skeletal muscle tissues using anti-CARS antibody. Corresponding CARS RNA-seq data are presented for the same tissues.



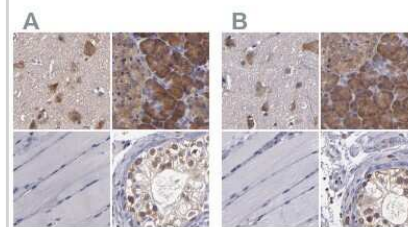
Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining of human cerebral cortex shows high expression.



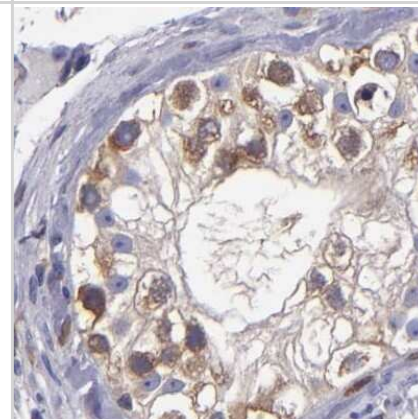
Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining of human skeletal muscle shows low expression as expected.



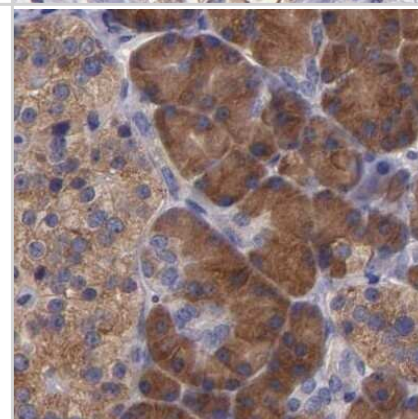
Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining of human cerebral cortex, pancreas, skeletal muscle and testis using Anti-CARS antibody NBP1-86624 (A) shows similar protein distribution across tissues to independent antibody NBP1-86623 (B).



Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining of human testis.



Immunohistochemistry-Paraffin: CARS Antibody [NBP1-86624] - Staining of human pancreas.



Publications

Xiu-Hong Qi, Peng Chen, Yue-Ju Wang, Zhe-Ping Zhou, Xue-Chun Liu, Hui Fang, Chen-Wei Wang, Ji Liu, Rong-Yu Liu, Han-Kui Liu, Zhen-Xin Zhang, Jiang-Ning Zhou Increased cysteinyl-tRNA synthetase drives neuroinflammation in Alzheimer's disease Translational Neurodegeneration 2024-01-08 [PMID: 38191451]

Han-Kui Liu, Hong-Lin Hao, Hui You, Feng Feng, Xiu-Hong Qi, Xiao-Yan Huang, Bo Hou, Chang-Geng Tian, Han Wang, Huan-Ming Yang, Jian Wang, Rui Wu, Hui Fang, Jiang-Ning Zhou, Jian-Guo Zhang, Zhen-Xin Zhang A Cysteinyl-tRNA Synthetase Mutation Causes Novel Autosomal-Dominant Inheritance of a Parkinsonism/Spinocerebellar-Ataxia Complex. Neuroscience bulletin 2024-06-13 [PMID: 38869703]

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. J Proteomics 2012-04-03 [PMID: 22361696]



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Products Related to NBP1-86624

NBP1-86624PEP	CARS Recombinant Protein Antigen
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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