Product Datasheet

CS Citrate Synthase Antibody - BSA Free
NBP2-13878

Unit Size: 0.1 ml

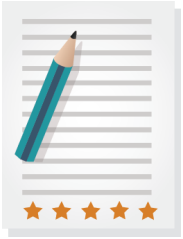
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-13878

Updated 2/23/2025 v.20.1



NBP2-13878

CS Citrate Synthase 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

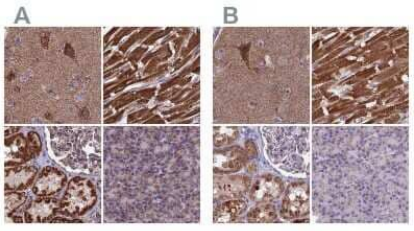
Host	Rabbit
Gene ID	1431
Gene Symbol	CS
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29290465).
Immunogen	This antibody was developed against a recombinant protein corresponding to the amino acids: ADLIPKEQARIKTFRQQHGKTVVGQITVDMMYGGMRGMKGLVYETSVLDPDE GIRFRGFSIPECQKLLPKAKGGEEPLPEGLFWLLVTGHIPTEEQVSWL

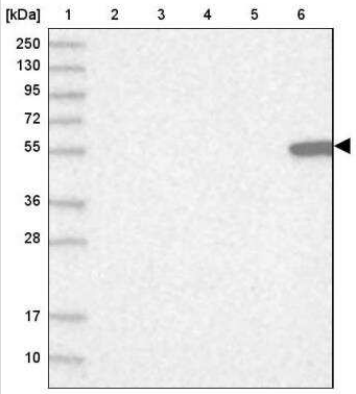
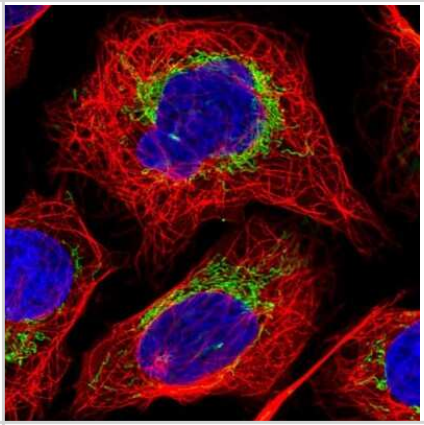
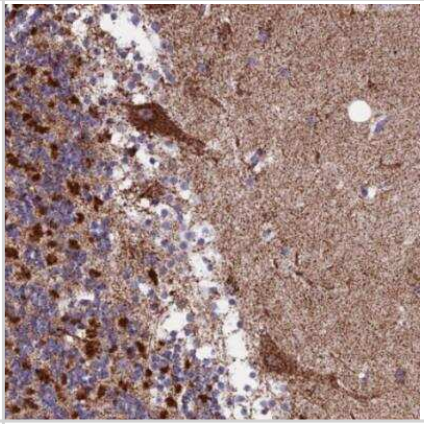
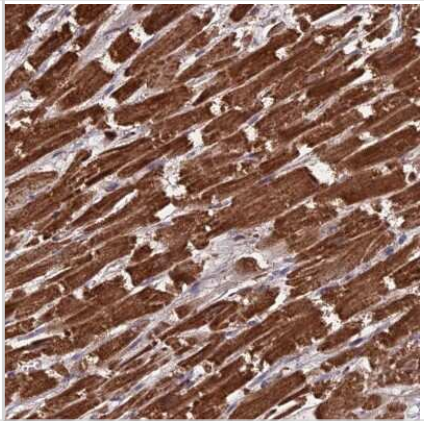
Product Application Details

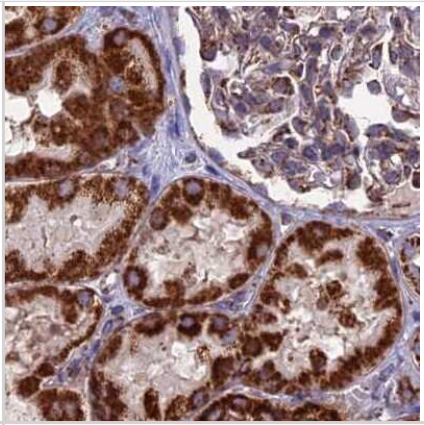
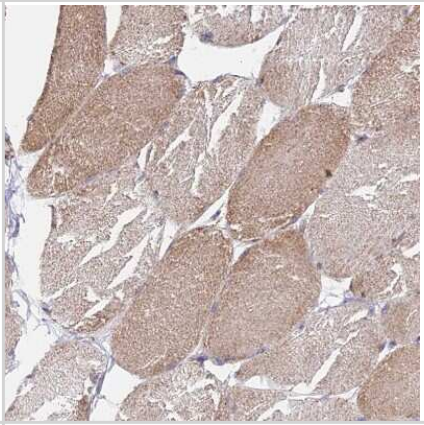
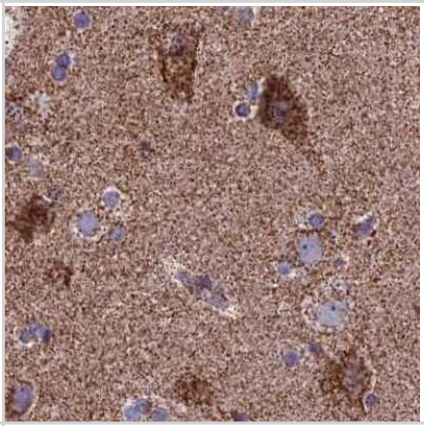
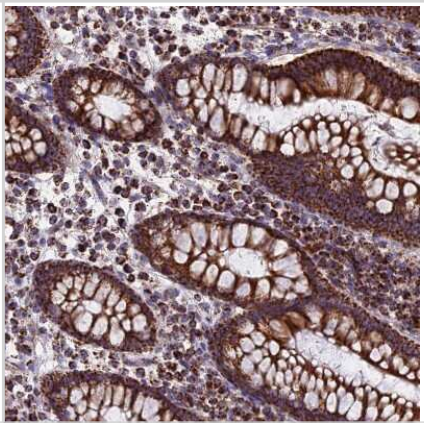
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

Images

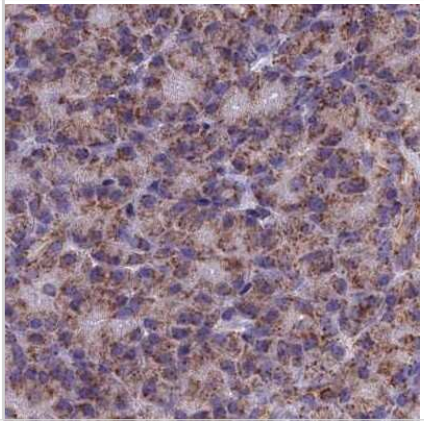
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human cerebral cortex, heart muscle, kidney and pancreas using Anti-CS antibody NBP2-13878 (A) shows similar protein distribution across tissues to independent antibody NBP2-13877 (B).



Western Blot: CS Citrate Synthase Antibody [NBP2-13878] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue	
Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.	
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human cererbellum shows moderate to strong cytoplasmic positivity in purkinje cells.	
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human heart muscle shows high expression.	

Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human kidney.	
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human skeletal muscle shows weak to moderate cytoplasmic positivity in myocytes.	
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human cerebral cortex.	
Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human colon shows strong cytoplasmic positivity in glandular cells.	

Immunohistochemistry-Paraffin: CS Citrate Synthase Antibody [NBP2-13878] - Staining of human pancreas.



Publications

Uttkarsh Ayyangar, Aneesh Karkhanis, Heather Tay, Aliya Farissa Binte Afandi, Oindrila Bhattacharjee, Lalitha KS, Sze Han Lee, James Chan, Srikala Raghavan Metabolic rewiring of macrophages by epidermal-derived lactate promotes sterile inflammation in the murine skin The EMBO Journal 2024-02-28 [PMID: 38418556]

Russo GL, Sonsalla G, Natarajan P et al. CRISPR-Mediated Induction of Neuron-Enriched Mitochondrial Proteins Boosts Direct Glia-to-Neuron Conversion Cell Stem Cell 2020-11-16 [PMID: 33202244]

Ingold I, Berndt C, Schmitt S et al. Selenium Utilization by GPX4 Is Required to Prevent Hydroperoxide-Induced Ferroptosis. Cell 2017-12-16 [PMID: 29290465] (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 NBP2-13878

NBP2-13878PEP	CS Citrate Synthase 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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-13878

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications