

Product Datasheet

CS Citrate Synthase Antibody (CL2553) - Azide and BSA Free NBP3-44451

Unit Size: 100 ug

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

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NBP3-44451**CS Citrate Synthase Antibody (CL2553) - Azide and BSA Free**

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2553
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

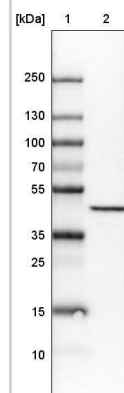
Product Description	
Description	Novus Biologicals Mouse CS Citrate Synthase Antibody (CL2553) - Azide and BSA Free (NBP2-36773) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1431
Gene Symbol	CS
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of O75390, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

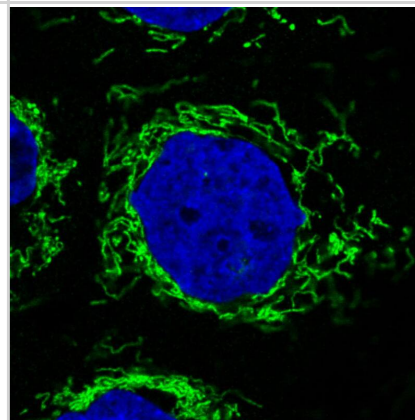


Images

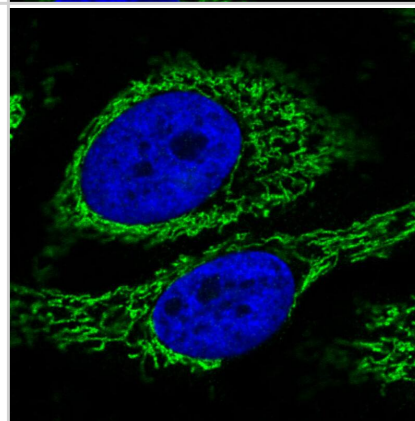
Lane 1: Marker [kDa]
Lane 2: Human cell line U-251 MG



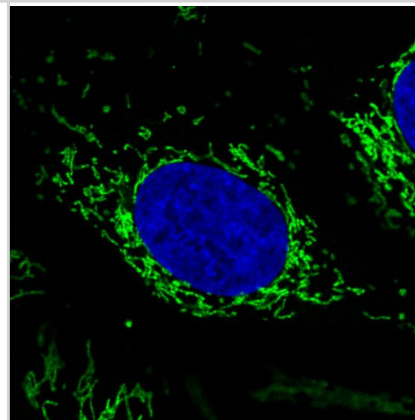
Staining in A431 cell line with Anti-CS Citrate Synthase monoclonal antibody) .



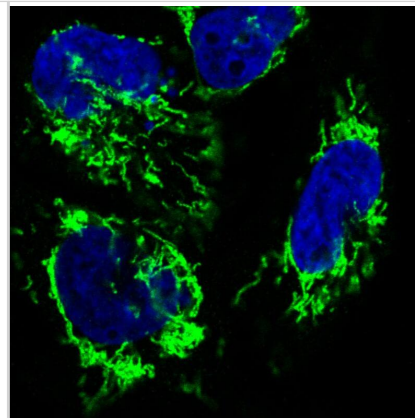
Staining in HeLa cell line with Anti-CS Citrate Synthase monoclonal antibody) .



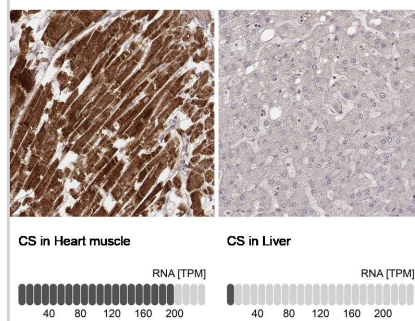
Staining in U2OS cell line with Anti-CS Citrate Synthase monoclonal antibody) .



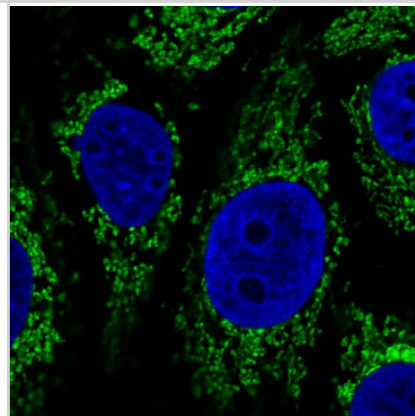
Staining in U251 cell line with Anti-CS Citrate Synthase monoclonal antibody) .



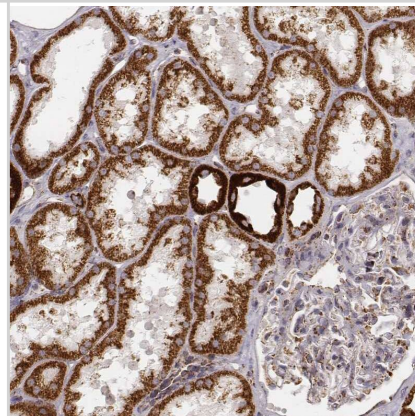
Analysis in human heart muscle and liver tissues using NBP3-44451 antibody. Corresponding CS Citrate Synthase RNA-seq data are presented for the same tissues.



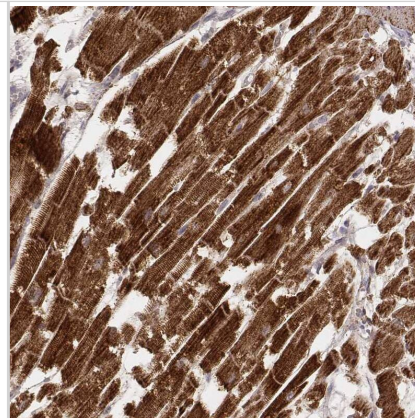
Staining in MCF7 cell line with Anti-CS Citrate Synthase monoclonal antibody) .



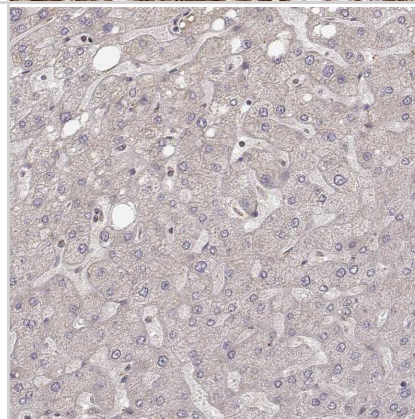
Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



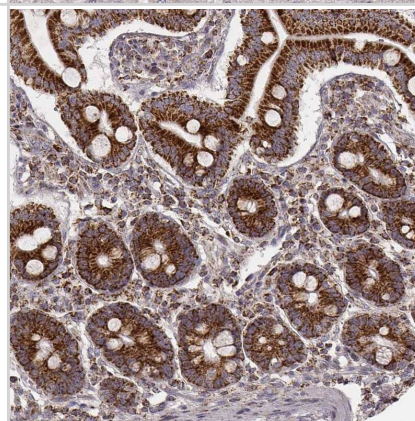
Staining of human heart muscle shows strong cytoplasmic positivity in cardiomyocytes.



Staining of human liver shows no positivity in hepatocytes as expected.



Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



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Products Related to NBP3-44451

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51818-0.1mg	Recombinant Human CS Citrate Synthase His Protein

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

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