

# Product Datasheet

## CS Citrate Synthase Antibody (CL2553) - BSA Free NBP2-36773

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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Updated 9/9/2025 v.20.1

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**NBP2-36773**

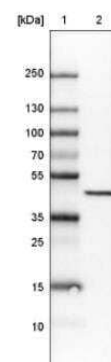
CS Citrate Synthase Antibody (CL2553) - BSA Free

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	Monoclonal
Clone	CL2553
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Mouse CS Citrate Synthase Antibody (CL2553) - 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
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from O75390, with the exact immunogen sequence remaining proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, 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.

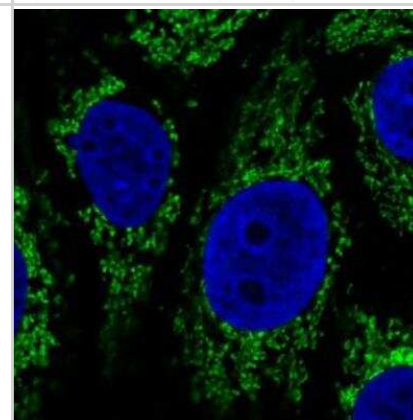


## Images

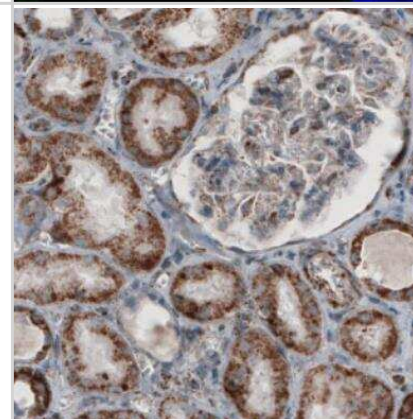
Western Blot: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] -  
Lane 1: Marker [kDa]. Lane 2: Human cell line U-251 MG



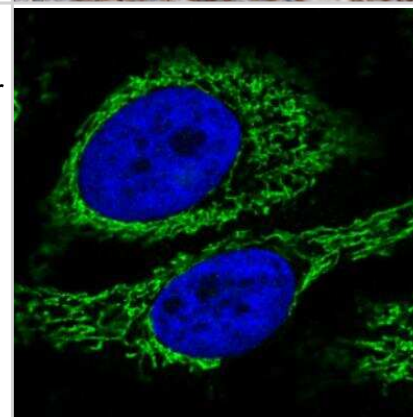
Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining in MCF7 cell line with Anti-CS monoclonal antibody, showing specific mitochondrial staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



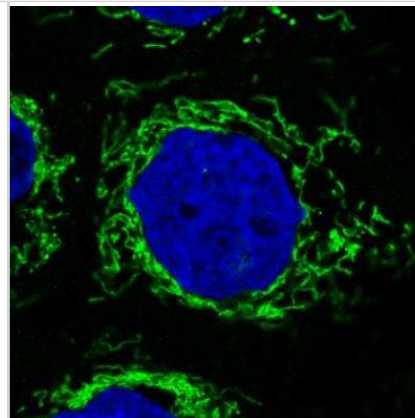
Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human kidney shows granular cytoplasmic immunoreactivity in renal tubules.



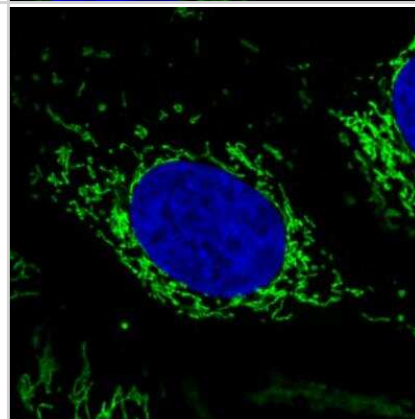
Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining in HeLa cell line showing specific mitochondrial staining in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



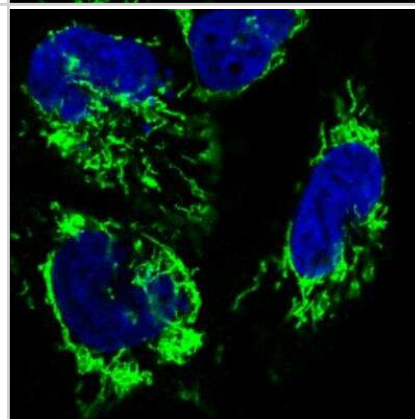
Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human cell line A431 showing specific mitochondrial staining in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



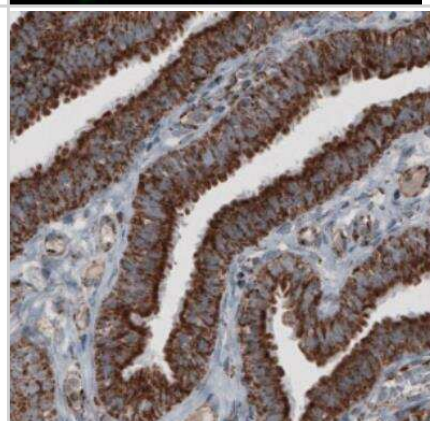
Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining in U2OS cell line with Anti-CS monoclonal antibody, showing specific mitochondrial staining in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



Immunocytochemistry/Immunofluorescence: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining in U251 cell line showing specific mitochondrial staining in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.

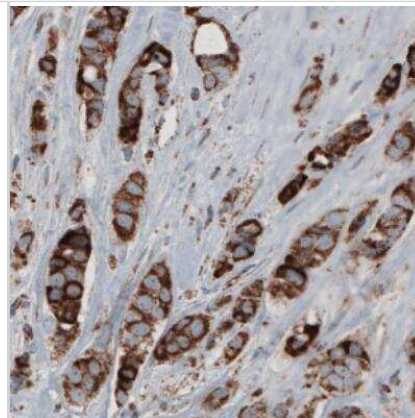


Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human fallopian tube shows strong granular cytoplasmic immunoreactivity in glandular cells.





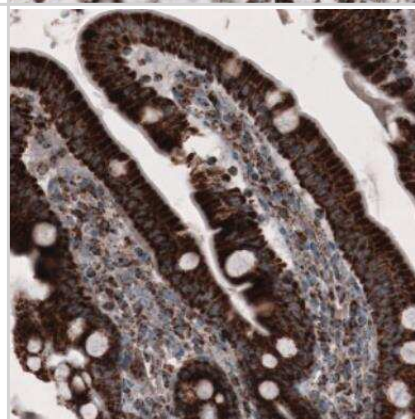
Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human breast cancer shows strong granular cytoplasmic positivity in tumor cells.



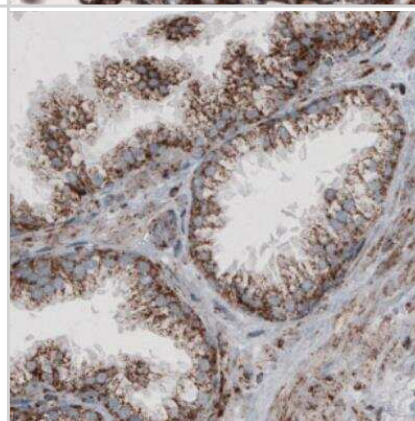
Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human rectum shows strong granular cytoplasmic immunoreactivity in glandular cells.



Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human small intestine shows granular cytoplasmic immunoreactivity in both glandular and lamina propria cells.



Immunohistochemistry: CS Citrate Synthase Antibody (CL2553) [NBP2-36773] - Staining of human prostate shows granular cytoplasmic positivity in glandular cells.





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### **Products Related to NBP2-36773**

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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

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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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