

Product Datasheet

xCT Antibody (A7C6-R) NBP3-33104

Unit Size: 100 ul

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

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NBP3-33104

xCT Antibody (A7C6-R)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A7C6-R
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	55 kDa
Product Description	
Description	Novus Biologicals Mouse xCT Antibody (A7C6-R) (NBP3-33104) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	23657
Gene Symbol	SLC7A11
Species	Human, Mouse
Immunogen	293 cell line overexpressing xCT. (Uniprot: Q9UPY5)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:5000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:600

Images

Western Blot: xCT Antibody (A7C6-R) [NBP3-33104] - Western blot analysis of xCT on different lysates with Mouse anti-xCT antibody (NBP3-33104) at 1/500 dilution.

Lane 1: HT-29 cell lysate

Lane 2: A549 cell lysate

Lysates/proteins at 10 ug/Lane.

Predicted band size: 55 kDa

Observed band size: 55 kDa

Exposure time: 30 seconds;

10% SDS-PAGE gel.

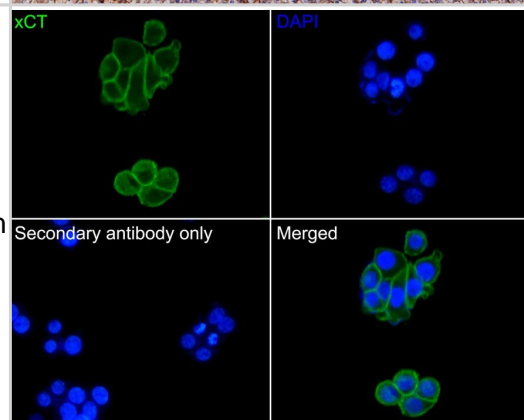
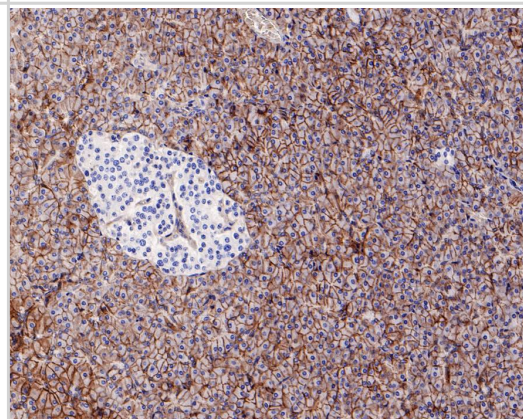
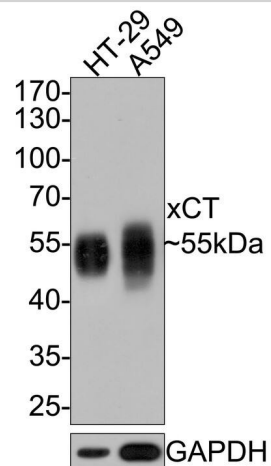
Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-33104) at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: xCT Antibody (A7C6-R) [NBP3-33104] - Immunohistochemical analysis of paraffin-embedded human pancreas tissue with Mouse anti-xCT antibody (NBP3-33104) at 1/600 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-33104) at 1/600 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

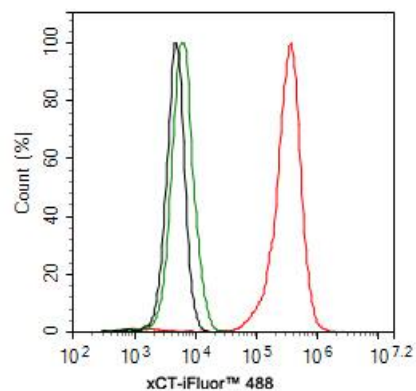
Immunocytochemistry/ Immunofluorescence: xCT Antibody (A7C6-R) [NBP3-33104] - Immunocytochemistry analysis of HT-29 cells labeling xCT with Mouse anti-xCT antibody (NBP3-33104) at 1/200 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 2% BSA for 30 minutes at room temperature. Cells were then incubated with Mouse anti-xCT antibody (NBP3-33104) at 1/200 dilution in 2% BSA overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: xCT Antibody (A7C6-R) [NBP3-33104] - Flow cytometric analysis of A549 cells labeling xCT.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (NBP3-33104, 1ug/ml) (red) compared with Mouse IgG1 Isotype Control (green). After incubation of the primary antibody at +4°C for 30 minutes, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-33104

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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