

Product Datasheet

CCDC109A Antibody NBP2-76948

Unit Size: 100 ul

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

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NBP2-76948**CCDC109A Antibody****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	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	40 kDa

Product Description

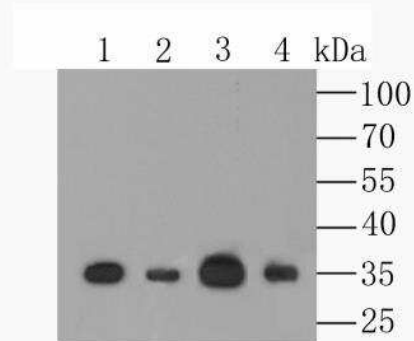
Host	Rabbit
Gene ID	90550
Gene Symbol	MCU
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human CCDC109A aa 51-225 / 351. (SwissProt: Q8NE86 Human; SwissProt: Q3UMR5 Mouse)

Product Application Details

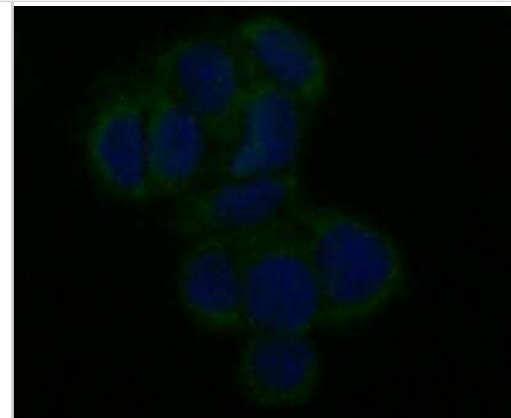
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50 -1:200

Images

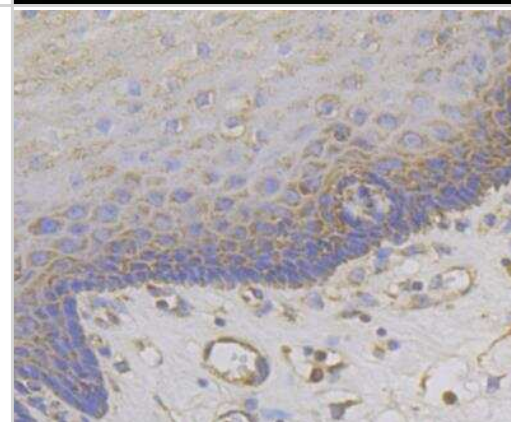
Western Blot: CCDC109A Antibody [NBP2-76948] - Western blot analysis of MCU on different lysates using anti-MCU antibody at 1/500 dilution. Positive control: Lane1: A549 Lane3: mouse spleen tissue Lane2: HL-60 Lane4: mouse brain tissue



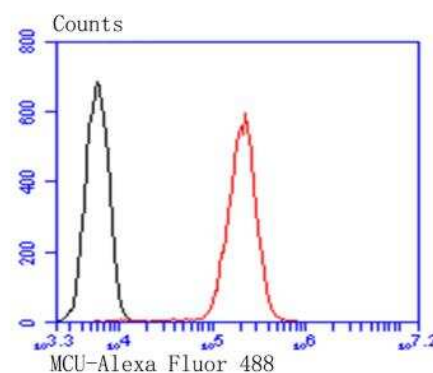
Immunocytochemistry/Immunofluorescence: CCDC109A Antibody [NBP2-76948] - ICC staining MCU in HT-29 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



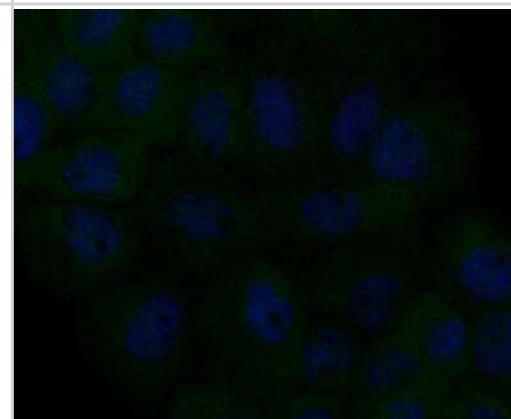
Immunohistochemistry: CCDC109A Antibody [NBP2-76948] - Immunohistochemical analysis of paraffin-embedded human esophagus tissue using anti-MCU antibody. Counter stained with hematoxylin.



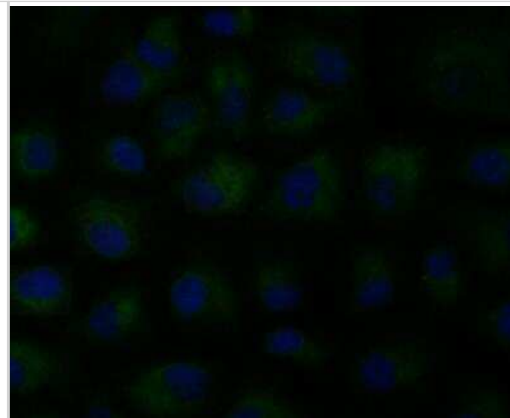
Flow Cytometry: CCDC109A Antibody [NBP2-76948] - Flow cytometric analysis of A549 cells with MCU antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



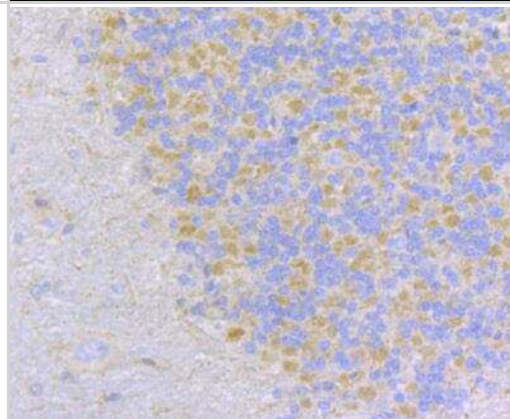
Immunocytochemistry/Immunofluorescence: CCDC109A Antibody [NBP2-76948] - ICC staining MCU in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



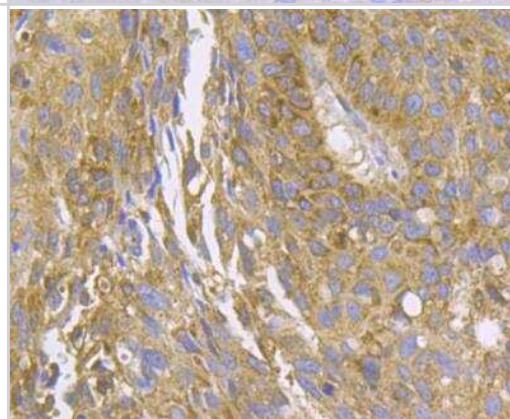
Immunocytochemistry/Immunofluorescence: CCDC109A Antibody [NBP2-76948] - ICC staining MCU in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



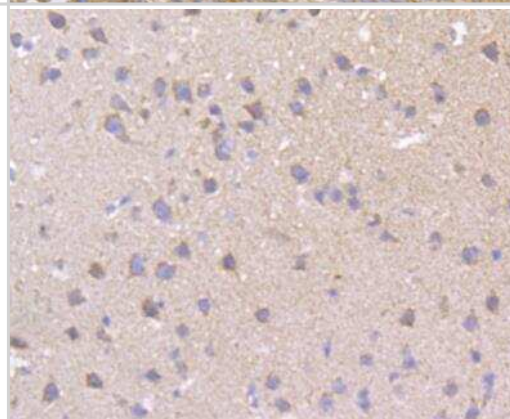
Immunohistochemistry: CCDC109A Antibody [NBP2-76948] - Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-MCU antibody. Counter stained with hematoxylin.



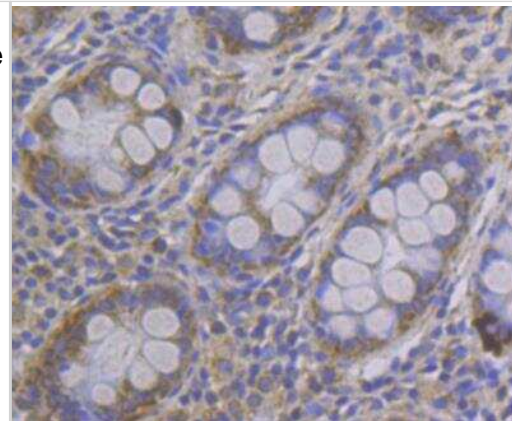
Immunohistochemistry: CCDC109A Antibody [NBP2-76948] - Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-MCU antibody. Counter stained with hematoxylin.



Immunohistochemistry: CCDC109A Antibody [NBP2-76948] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-MCU antibody. Counter stained with hematoxylin.



Immunohistochemistry: CCDC109A Antibody [NBP2-76948] - Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-MCU antibody. Counter stained with hematoxylin.



Publications

Pannoni KE, Fischer QS, Tarannum R et al. The mitochondrial calcium uniporter is necessary for synaptic plasticity and proper mitochondrial morphology and distribution in the distal dendrites of CA2 neurons bioRxiv : the preprint server for biology 2023-11-11 [PMID: 37986798] (IHC, Mouse)



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Products Related to NBP2-76948

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00090550-P01-2ug	Recombinant Human CCDC109A GST (N-Term) 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.

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