

# UQCRC1 Monoclonal Antibody (GT139)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	GT139
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the center region of human UQCRC1. The exact sequence is proprietary.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2735406

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3000	-
Immunocytochemistry (ICC)	1:100-1:1000	-
Immunofluorescence (IF)	1:100-1:1000	-

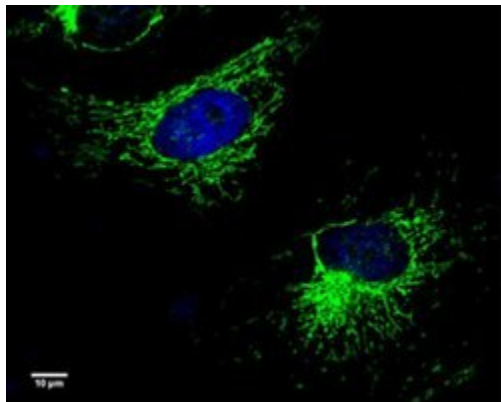
## Product Specific Information

Positive Control: 293T, A431, HeLa, HepG2, mouse brain, rat brain

Predicted Reactivity: Rhesus Monkey (97%), Chimpanzee (100%), Bovine (88%)

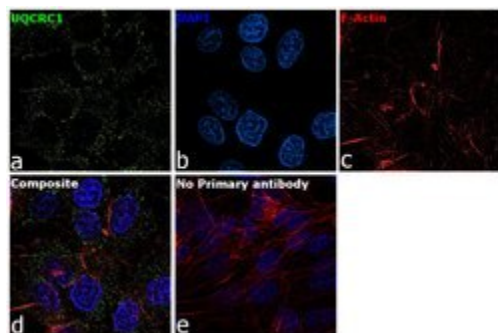
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For UQCRC1 Monoclonal Antibody (GT139)



### UQCRC1 Antibody (MA5-27790) in IF

Immunofluorescent analysis of UQCRC1 in HeLa cells. Samples were treated with 4% paraformaldehyde at RT for 15 min and incubated with UQCRC1 monoclonal antibody (Product # MA5-27790) using a dilution of 1:100, followed by Hoechst.

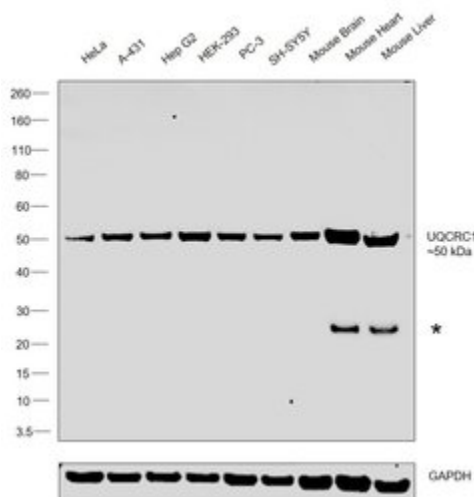


### UQCRC1 Antibody (MA5-27790) in ICC

Immunofluorescence analysis of UQCRC1 was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 5 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with UQCRC1 Monoclonal Antibody (GT139) (Product # MA5-27790) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Green) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Blue) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Mitochondrial localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60 magnification.

### UQCRC1 Antibody (MA5-27790) in WB

Western blot was performed using Anti-UQCRC1 Monoclonal Antibody (GT139) (Product # MA5-27790) and a 50kDa band corresponding to UQCRC1 was observed across cell lines tested. Membrane enriched extracts (30 μg lysate) of HeLa (Lane 1), A-431 (Lane 2), Hep G2 (Lane 3), HEK-293 (Lane 4), PC-3 (Lane 5), SH-SY5Y (Lane 6), Mouse Brain (Lane 7), Mouse Heart (Lane 8) and Mouse Liver (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:2000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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