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**Product Name: UQCRC1 Mouse Monoclonal Antibody****Catalog #: AMM82697**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	52.6kDa

**Antigen Information**

<b>Gene Name</b>	UQCRC1
<b>Alternative Names</b>	QCR1; UQCR1; D3S3191
<b>Gene ID</b>	7384.0
<b>SwissProt ID</b>	P31930
<b>Immunogen</b>	Purified recombinant fragment of human UQCRC1 (AA: 60-227) expressed in E. Coli.

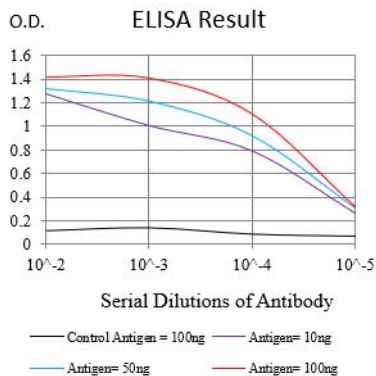
**Background**

UQCRC1 (Ubiquinol-Cytochrome C Reductase Core Protein 1) is a Protein Coding gene. Diseases associated with UQCRC1 include Leukodystrophy, Hypomyelinating, 4 and Alzheimer Disease. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins. and Cardiac muscle

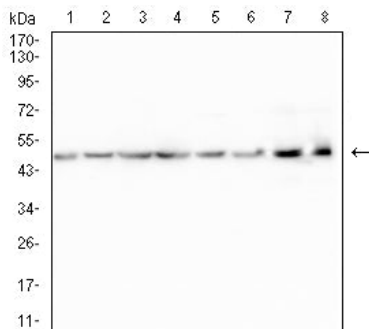
contraction. Gene Ontology (GO) annotations related to this gene include ubiquitin protein ligase binding and ubiquinol-cytochrome-c reductase activity. An important paralog of this gene is PMPCB.

## Research Area

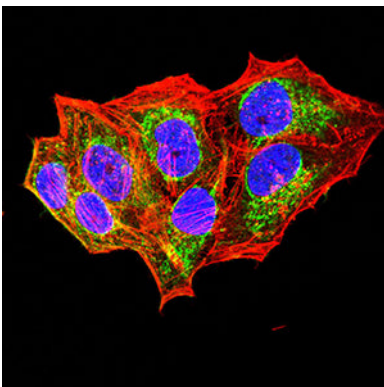
## Image Data



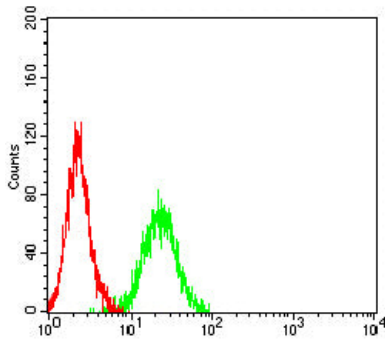
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



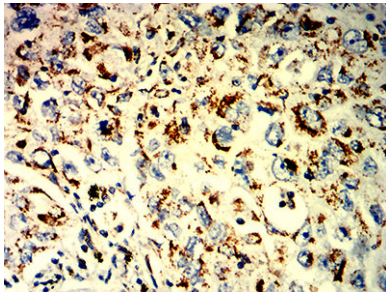
Western blot analysis using UQCRC1 mouse mAb against HeLa (1), A431 (2), HepG2 (3), HEK293 (4), PC-3 (5), SH-SY5Y (6), mouse brain (7), and rat brain (8) cell lysate.



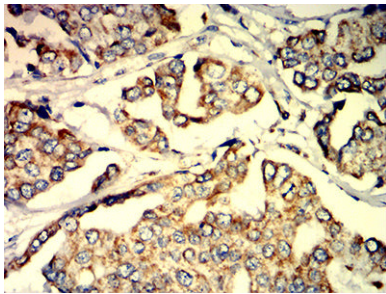
Immunofluorescence analysis of HeLa cells using UQCRC1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Jurkat cells using UQCRC1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using UQCRC1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using UQCRC1 mouse mAb with DAB staining.