

Rabbit anti-Human UQCRC1 Polyclonal Antibody | anti-UQCRC1 antibody

Anti-UQCRC1 Antibody, Rabbit Polyclonal

CATALOG # AAA254979	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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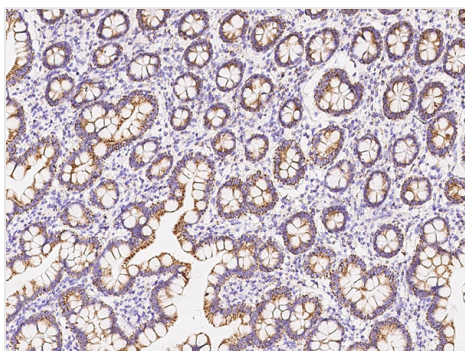
PRODUCT SYNONYMS

UQCRC1; Polyclonal Antibody; Anti-UQCRC1 Antibody; Rabbit Polyclonal; UQCRC1 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquinol-cytochrome c reductase core protein I; Anti-D3S3191 Antibody; Anti-QCR1 Antibody; Anti-UQCR1 Antibody; anti-UQCRC1 antibody

PRODUCT SPECIFICATIONS

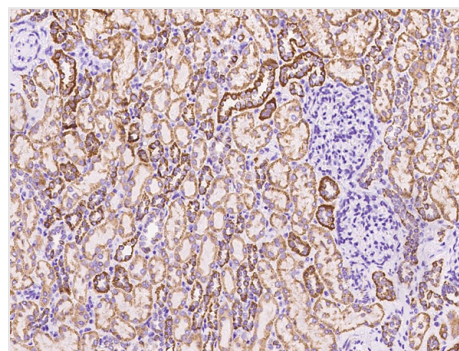
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UQCRC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-UQCRC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human UQCRC1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human UQCRC1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



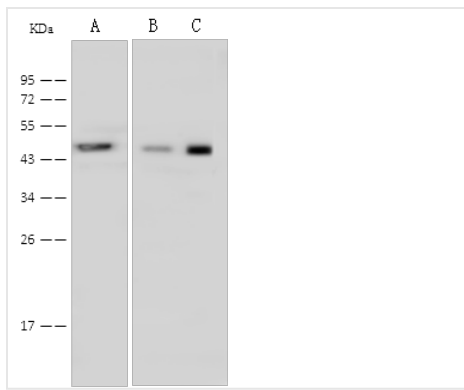
IHC (Immunohistochemistry)

Immunochemical staining of human UQCRC1 in human small intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human UQCRC1 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-UQCRC1 rabbit polyclonal antibody at 1:500 dilution
 Lane A: HEK-293 Whole Cell Lysate
 Lane B: A549 Whole Cell Lysate
 Lane C: HeLa Whole Cell Lysate
 Lysates/proteins at 30 ug per lane.
 Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
 Developed using the ECL technique.
 Performed under reducing conditions.
 Predicted band size: 35 kDa
 Observed band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-UQCRC1 antibody	Ubiquinol cytochrome c reductase core protein I (UQCRC1) is a component of the complex III in the respiratory chain and is expressed abundantly in neurons and astrocytes. UQCRC1 may also be important by forming complex III to maintain normal brain ischemic tolerance, learning, and memory. UQCRC1 is a nuclear-encoded protein localized to the inner mitochondrial membrane and plays a key role in influencing mitochondrial function. Increasing evidence supports that UQCRC1 overexpression takes part in cardioprotection. UQCRC1 overexpression protects H9c2 cardiac cells against mimic ischemia/reperfusion injury through mediating PI3K/Akt/GSK-3beta pathway to regulate apoptosis-related proteins. UQCRC1 was downregulated in human colorectal cancer (CRC). Downregulation of UQCRC1 was correlated with increased lymph node metastasis and finally associated with decreased survival in CRC.
References	Yi T, et al. (2020) Ubiquinol-cytochrome c reductase core protein 1 overexpression protects h9c2 cardiac cells against mimic ischemia/reperfusion injury through pi3k/akt/gsk-3beta pathway. <i>Biochem Biophys Res Commun</i> 529 (4): 904-909. Shan W, et al. (2019) Critical role of uqcrc1 in embryo survival, brain ischemic tolerance and normal cognition in mice. <i>Cell Mol Life Sci</i> 76 (7): 1381-1396. Li W, et al. (2019) Uqcrc1 downregulation is correlated with lymph node metastasis and poor prognosis in crc. <i>Eur J Surg Oncol</i> 45 (6): 1005-1010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	92090651
NCBI GeneID	7384
UniProt Accession #	P31930 ; Q96DD2 ; B2R7R8
Molecular Weight	480
NCBI Official Full Name	Cytochrome b-c1 complex subunit 1, mitochondrial
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase core protein I
NCBI Official Symbol	UQCRC1
NCBI Official Synonym Symbols	QCR1; UQCR1; D3S3191
NCBI Protein Information	cytochrome b-c1 complex subunit 1, mitochondrial; core protein I; complex III subunit 1; ubiquinol-cytochrome-c reductase complex core protein 1
UniProt Protein Name	Cytochrome b-c1 complex subunit 1, mitochondrial
UniProt Gene Name	UQCRC1
UniProt Entry Name	QCR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/uqcrc1-antibody-immunohistochemistry-western-blot-elisa/254979>