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# UQCRC1 Rabbit pAb

货号: **AYP12412**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Danio rerio , Homo sapiens
应用	WB IHC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:200
理论分子量	52kDa
实测分子量	53kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	A-549,HepG2,HeLa,293T,COS-7,Mouse liver,Rat brain,Rat spinal cord
细胞定位	Mitochondrion inner membrane
纯化	Affinity purification

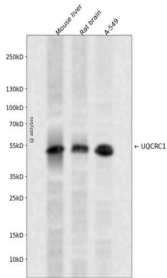
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 156-480 of human UQCRC1 (NP_003356.2).
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## 靶点信息

研究背景	Component of the ubiquinol-cytochrome c oxidoreductase, a multisubunit transmembrane complex that is part of the mitochondrial electron transport chain which drives oxidative phosphorylation. The respiratory chain contains 3 multisubunit complexes succinate dehydrogenase (complex II, CII, ubiquinol-cytochrome c oxidoreductase (cytochrome b-c1 complex, complex III, CIII and cytochrome c oxidase (complex IV, CIV, that cooperate to transfer electrons derived from NADH and succinate to molecular oxygen, creating an electrochemical gradient over the inner membrane that drives transmembrane transport and the ATP synthase. The cytochrome b-c1 complex catalyzes electron transfer from ubiquinol to cytochrome c, linking this redox reaction to translocation of protons across the mitochondrial inner membrane, with protons being carried across the membrane as hydrogens on the quinol. In the process called Q cycle, 2 protons are consumed from the matrix, 4 protons are released into the intermembrane space and 2 electrons are passed to cytochrome c (By similarity. The 2 core subunits UQCRC1/QCR1 and UQCRC2/QCR2 are homologous to the 2 mitochondrial-processing peptidase (MPP subunits beta-MPP and alpha-MPP respectively, and they seem to have preserved their MPP processing properties (By similarity. May be involved in the in situ processing of UQCRFS1 into the mature Rieske protein and its mitochondrial targeting sequence (MTS/subunit 9 when incorporated into complex III (Probable.
基因ID	7384
基因名	UQCRC1
Swiss	P31930 ( <a href="https://www.uniprot.org/uniprotkb/P31930/entry">https://www.uniprot.org/uniprotkb/P31930/entry</a> )
别名	UQCRC1,D3S3191,QCR1,UQCR1,UQCRC1 Rabbit pAb,Complex III subunit 1,Core protein I,Ubiquinol-cytochrome-c reductase complex core protein 1

## 产品验证



Western blot analysis of UQCRC1 expressed in Mouse liver,Rat brain,A-549 using UQCRC1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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