



## UQCRH (C-13): sc-103918

### BACKGROUND

UQCRH (ubiquinol-cytochrome c reductase hinge protein), also known as QCR6, is a 91 amino acid protein that localizes to the inner mitochondrial membrane and exists as a component of the ubiquinol-cytochrome c reductase complex (known as complex III or as the cytochrome b-c1 complex). Functioning in conjunction with a variety of other proteins, UQCRH plays a role in the mitochondrial respiratory chain and it thought to mediate cytochrome complex formation. The gene encoding UQCRH maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: UQCRH (human) mapping to 1p33; Uqcrh (mouse) mapping to 4 D1.

### SOURCE

UQCRH (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of UQCRH of human origin.

### PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-103918 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

UQCRH (C-13) is recommended for detection of UQCRH of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for UQCRH siRNA (h): sc-88122, UQCRH siRNA (m): sc-106675, UQCRH shRNA Plasmid (h): sc-88122-SH, UQCRH shRNA Plasmid (m): sc-106675-SH, UQCRH shRNA (h) Lentiviral Particles: sc-88122-V and UQCRH shRNA (m) Lentiviral Particles: sc-106675-V.

Molecular Weight of UQCRH: 11 kDa.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.