

# **Recombinant UQCRFS1/RISP Monoclonal Antibody**

catalog number: AN301884L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human;Rat;Mouse

Immunogen Recombinant human UQCRFS1/RISP fragment

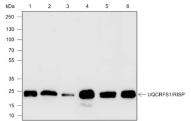
Host Rabbit Isotype lgG, κ Clone A596

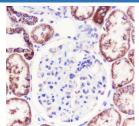
**Purification** Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution	
WB	1:1000-1:5000	
IHC	1:200-1:1000	
IP	1:50-1:100	

#### Data

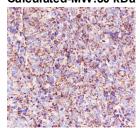


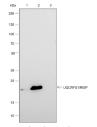


Western Blot with UQCRFS1/RISP Monoclonal Antibody at Immunohistochemistry of paraffin-embedded Human kidney dilution of 1:5000. Lane 1: Raji, Lane 2: HeLa, Lane 3: U87- using UQCRFS1/RISP Monoclonal Antibody at dilution of 1:1000. MG, Lane 4: Human heart, Lane 5: mouse heart, Lane 6:

#### Rat heart

Observed-MW:25 kDa Calculated-MW:30 kDa





Immunohistochemistry of paraffin-embedded Human cervical cancer using UQCRFS1/RISP Monoclonal Antibody Monoclonal Antibody. Western blot was performed from the at dilution of 1:1000.

Immunoprecipitation analysis using anti-UQCRFS1/RISP immunoprecipitate using UQCRFS1/RISP Monoclonal Antibody at a dilution of 1:100. Lane 1:5% Input, Lane 2: UQCRFS1/RISP Monoclonal Antibody, Lane 3: Rabbit

> monoclonal IgG Isotype Observed-MW:25 kDa Calculated-MW:30 kDa

### **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Shipping Ice bag

## **Background**

Ubiquinol-cytochrome c reductase iron-sulfur subunit (UQCRFS1), also known as Rieske iron-sulfur protein (RISP), is a component of Complex III in the mitochondrial electron transport chain. UQCRFS1/RISP and two other subunits, cytochrome b (MT-CYB) and cytochrome c1 (CYC1), are essential for the catalytic activity of Complex III. Studies show that UQCRFS1/RISP is required for fetal mouse hematopoietic stem cell differentiation and adult mouse hematopoietic stem cell quiescence. In addition, loss of UQCRFS1/RISP decreases the strength of T cell receptor (TCR) signaling, indicating that this protein is critical for optimal TCR signaling.

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