Recombinant UQCRFS1/RISP Monoclonal Antibody

catalog number: **AN301884L**

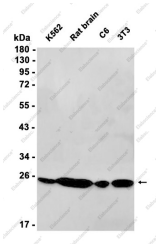
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human RISP
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111505
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

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

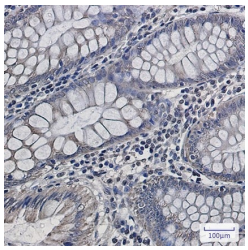
Data



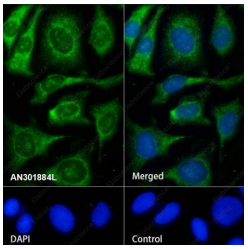
Western blot analysis of K562, C6, 3T3 and Rat brain cell lysates using UQCRFS1/RISP Antibody (AN301884L) at a dilution of 1:1000.

Observed-MW:24 kDa

Calculated-MW:30 kDa



Immunohistochemical analysis of paraffin-embedded Human colon sections using UQCRFS1/RISP Antibody (AN301884L).



Immunofluorescence analysis of HeLa cells using UQCRFS1/RISP Antibody(AN301884L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

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

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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