

Product datasheet

Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free ab251054

Recombinant RabMAb

7 Images

Overview

Product name	Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free
Description	Rabbit monoclonal [EPR16289] to UQCRFS1/RISP - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IP, WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251054 is the carrier-free version of ab191079.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR16289
Isotype	IgG

Applications

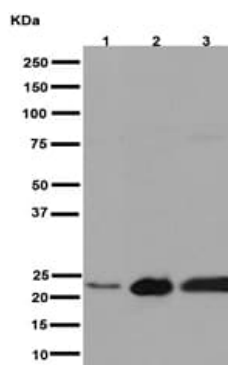
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251054 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 25 kDa (predicted molecular weight: 30 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. The transit peptide of the Rieske protein seems to form part of the bc1 complex and is considered to be the subunit 11/IX of that complex.
Sequence similarities	Contains 1 Rieske domain.
Cellular localization	Mitochondrion inner membrane.

Images



Western blot - Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

All lanes : Anti-UQCRFS1/RISP antibody [EPR16289] - C-terminal (**ab191079**) at 1/1000 dilution

Lane 1 : PC12 cell lysate

Lanes 2-3 : Mouse brain lysate

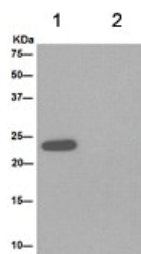
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 30 kDa

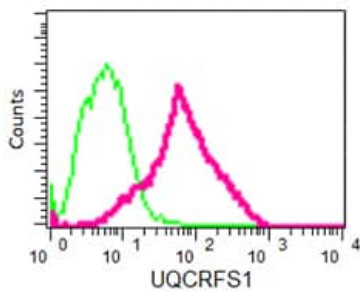
This data was developed using **ab191079**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

This data was developed using **ab191079**, the same antibody clone in a different buffer formulation. Western blot analysis of immunoprecipitation pellet from Human fetal heart lysate immunoprecipitated using **ab191079** at 1/90 dilution (lane 1) or PBS control (lane 2).

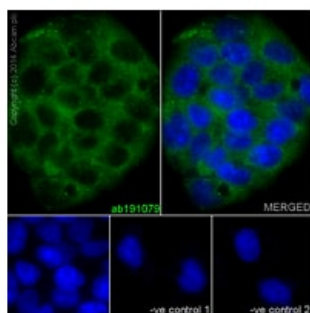
Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.



Flow Cytometry (Intracellular) - Anti-UQCRCF1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

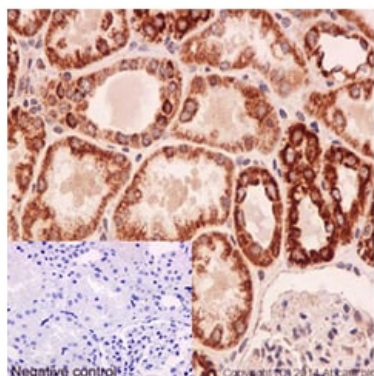
This data was developed using **ab191079**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of HeLa cells (paraformaldehyde-fixed, 2%) labeling UQCRCF1/RISP with **ab191079** at 1/280 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



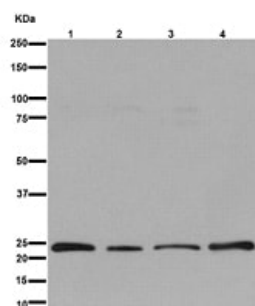
Immunocytochemistry/ Immunofluorescence - Anti-UQCRCF1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

This data was developed using **ab191079**, the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HepG2 cells (4% Paraformaldehyde-fixed; 0.1% tritonX-100 permeabilized) labeling UQCRCF1/RISP with **ab191079** at 1/100 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue). Negative controls also shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UQCRCF1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

This data was developed using **ab191079**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling UQCRCF1/RISP with **ab191079** at 1/100 dilution followed by pre-diluted HRP Polymer for Rabbit IgG secondary antibody and counter-stained with Hematoxylin (inset: negative control). Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

All lanes : Anti-UQCRFS1/RISP antibody [EPR16289] - C-terminal (**ab191079**) at 1/10000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Raji cell lysate

Lane 3 : 293 cell lysate

Lane 4 : Human fetal heart lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 30 kDa

This data was developed using **ab191079**, the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-UQCRFS1/RISP antibody [EPR16289] - BSA and Azide free (ab251054)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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