

Anti-CCDC109A/MCU Antibody (Monoclonal, 34M51)

Catalog Number: M00685

About MCU

The mitochondrial calcium uniporter (MCU) is a transmembrane protein that allows the passage of calcium ions from a cell's cytosol into mitochondria. Its activity is regulated by MICU1 and MICU2, which together with the MCU make up the mitochondrial calcium uniporter complex. This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants.

Overview

Product Name	Anti-CCDC109A/MCU Antibody (Monoclonal, 34M51)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-CCDC109A/MCU Antibody (Monoclonal, 34M51) catalog # M00685. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal 34M51
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8NE86

Technical Details

Immunogen	Recombinant protein within human MCU aa 53-231.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200

ImmunoPrecipitation, 1:50

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