



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CCDC109B polyclonal antibody

Catalog: BS31645

Host: Rabbit

Reactivity: Human

BackGround:

Calcium uniporter regulatory subunit MCUB, mitochondrial: Negative regulator of the mitochondrial calcium uniporter (MCU), a channel that mediates calcium uptake into the mitochondrial matrix. MCUB is required to limit mitochondrial calcium overload during stress. Acts as a dominant-negative regulator that displaces MCU from the functional uniplex complex and thereby decreases the association of calcium sensors MICU1 and MICU2, preventing channel gating. Mitochondrial calcium homeostasis plays key roles in mitochondrial metabolism. Acts as an important regulator of mitochondrial metabolism in response to stress in muscle cells: induced in response to fasting, leading to restrict mitochondrial calcium uptake, resulting in reprogramming of mitochondria toward fatty acid oxidation preference (By similarity). Acts as a regulator of macrophage polarization during skeletal muscle regeneration: inhibition of mitochondrial calcium uptake drives...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~39.1 kDa

Swiss-Prot:

Q9NWR8

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

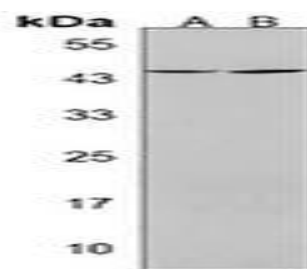
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CCDC109B protein.

DATA:



Western blot analysis of c-SRC (Phospho-Y419) expression in A431 treated with pervanadate (A) whole cell lysates.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151