

A17613

Leader in Biomolecular Solutions for Life Science



MICU1 Rabbit pAb

Catalog No.: A17613

Basic Information

Observed MW

Refer to figures

Calculated MW

54kDa

Category

Polyclonal Antibody

Applications

WB,ELISA

Cross-Reactivity

Rat

Background

This gene encodes an essential regulator of mitochondrial Ca^{2+} uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca^{2+} channel, and is essential in preventing mitochondrial Ca^{2+} overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 $\mu\text{g/mL}$. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
10367

Swiss Prot
Q9BPX6

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CALC; EFHA3; MPXPS; CBARA1; ara CALC; MICU1

Contact

 www.abclonal.com

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage

Store at -20°C . Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.