BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MICU1 Monoclonal Antibody(Mix)

Description

Product type	Primary Antibody
Code	BT-MCA0061
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of MICU1
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Calcium uptake protein 1, mitochondrial
Synonyms	Calcium uptake protein 1; mitochondrial; Atopy-related autoantigen CALC; ara CALC; Calcium-binding atopy-related autoantigen 1; allergen Hom s 4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes an essential regulator of mitochondrial Ca2+ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca2+ channel, and is essential in preventing mitochondrial Ca2+ overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described.

Recommended Dilution

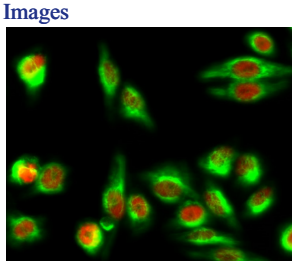
IF: 1:200

IHC: 1:100-200

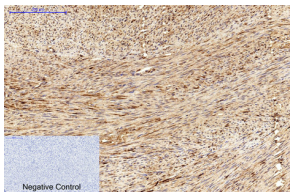
WB: 1:1000-2000

Not yet tested in other applications.

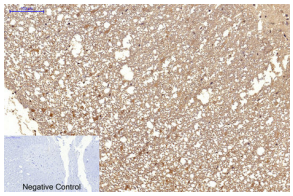
Images



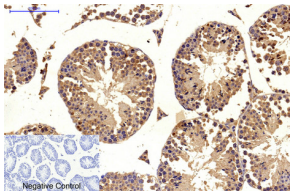
Immunofluorescence analysis of Hela cell. c-Myc Polyclonal Antibody(red) was diluted at 1:200(4°C overnight). MICU1 Monoclonal antibody(Mix)(green) was diluted at 1:200(4°C overnight).



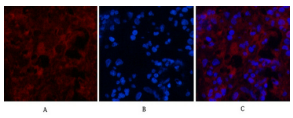
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.MICU1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



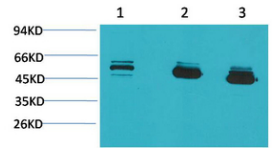
Immunohistochemical analysis of paraffin-embedded Rat-spinal-cord tissue. 1.MICU1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



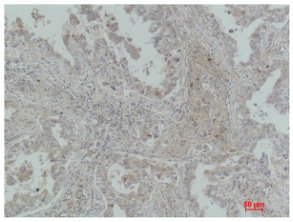
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1.MICU1 Monoclonal antibody(Mix) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-appendix tissue. 1.MICU1 Monoclonal antibody(Mix)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) MCF7, 2) Mouse Brain Tissue, 3) Rat Brain Tissue using MICU1 Monoclonal antibody.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma using MICU1 Monoclonal antibody.

Storage

-20°C for one year

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