

Rabbit MICU1 Polyclonal Antibody | anti-MICU1 antibody

MICU1 Polyclonal Antibody

CATALOG # AAA176336	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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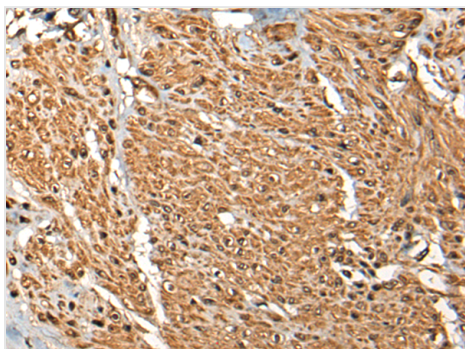
PRODUCT SYNONYMS

MICU1; Polyclonal Antibody; MICU1 Polyclonal Antibody; Allergen Hom s 4; Ara CALC; Atopy related autoantigen; Atopy related autoantigen CALC; Atopy-related autoantigen CALC; CALC; Calcium binding atopy related autoantigen 1; Calcium uptake protein 1; Mitochondrial; Calcium-binding atopy-related autoantigen 1; CBARA1; EFHA3; FLJ12684; Mitochondrial calcium uptake 1; MPXPS; anti-MICU1 antibody

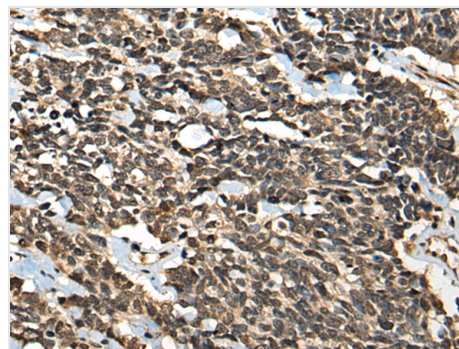
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.6mg/mL (varies by lot)
Sequence Length	478
Applicable Applications for anti-MICU1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Fusion protein of human MICU1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using MICU1 Polyclonal Antibody at dilution of 1:35 (x200)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using MICU1 Polyclonal Antibody at dilution of 1:35 (x200)

ADDITIONAL INFORMATION

Related Product Information for anti-MICU1 antibody	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. MICU1 (Mitochondrial Calcium Uptake 1) is a Protein Coding gene. Diseases associated with MICU1 include Myopathy With Extrapyrarnidal Signs and Fish Allergy. Among its related pathways are Ca, cAMP and Lipid Signaling. GO annotations related to this gene include calcium ion binding and protein heterodimerization activity. An important paralog of this gene is MICU3.
Product Categories/Family for anti-MICU1 antibody	Cancer; Metabolism; Immunology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256483
NCBI GeneID	10367
NCBI Accession #	NP_006068.2; BC004190
NCBI GenBank Nucleotide #	NP_006068.2
UniProt Accession #	Q9BPX6
NCBI Official Full Name	calcium uptake protein 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	mitochondrial calcium uptake 1
NCBI Official Symbol	MICU1
NCBI Official Synonym Symbols	CALC; EFHA3; MPXPS; CBARA1; ara CALC
NCBI Protein Information	calcium uptake protein 1, mitochondrial
UniProt Protein Name	Calcium uptake protein 1, mitochondrial
UniProt Gene Name	MICU1
UniProt Synonym Gene Names	CALC; CBARA1; ara CALC
UniProt Entry Name	MICU1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/micu1-antibody-immunohistochemistry-elisa/176336>