MICU1 Antibody

Catalog No: #46612

SAB®
Signalway Antibody

Description

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Product Name	MICU1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MICU1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human MICU1
Target Name	MICU1
Other Names	CALC; EFHA3; MPXPS; CBARA1
Accession No.	Swiss-Prot:Q9BPX6NCBI Gene ID:10367NCBI Protein:BC004190
Uniprot	Q9BPX6
GeneID	10367;
Calculated MW	54 kDa
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000
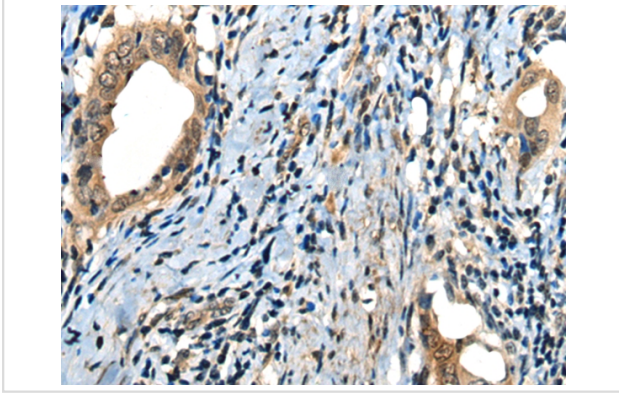
Immunohistochemistry: 1: 25-100

Images
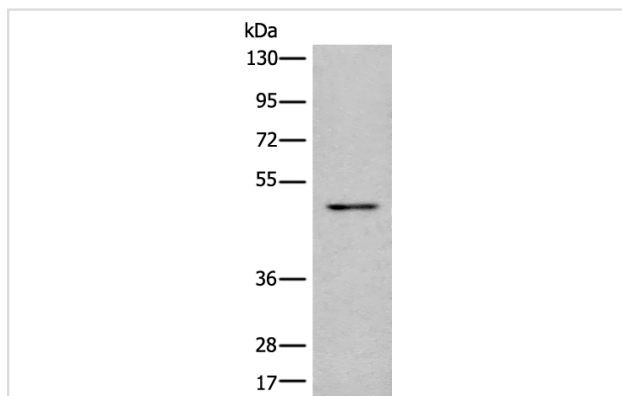
Gel: 8%SDS-PAGE
lysate: 40 B¦Γ g, Lane: HUVEC cell lysate,
Primary antibody: 46612B£B¨MICU1 Antibody) at dilution 1/350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 1 minute
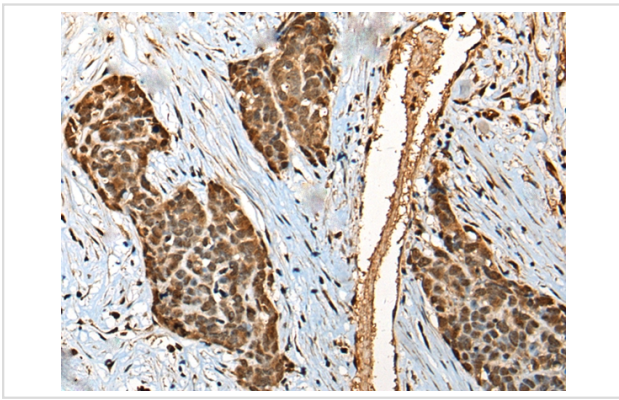
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46612(MICU1 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: x200)

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 46612(MICU1 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: x200)

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.?

Note: This product is for in vitro research use only