



Anti-MCU (aa 47-152) polyclonal antibody (DPABH-18251)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which contains an N-terminal sterile alpha motif (SAM) for protein-protein interactions, followed by an ATP/GTP-binding motif, a GTPase-activating protein (GAP) domain, and a C-terminal STAR-related lipid transfer (START) domain. It may be involved in regulation of cytoskeletal reorganization, cell proliferation, and cell motility, and acts as a tumor suppressor in hepatoma cells. The gene is located in a region of chromosome 13 that is associated with loss of heterozygosity in hepatocellular carcinomas. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Immunogen	Recombinant fragment: HHRTVHQRIA SWQNLGAVYC STVVPSDDVT VVYQNGLPVI SVRLPSRRER CQFTLKPISD SVGVFLRQLQ EEDRGIDRVA IYSPDGVRVA ASTGIDLLLL DDFKLV, corresponding to N terminal amino acids 47-152 of Human MCU (Uniprot ID = Q8NE86)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol

Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	MCU mitochondrial calcium uniporter [Homo sapiens]
Official Symbol	MCU
Synonyms	MCU; mitochondrial calcium uniporter; C10orf42; CCDC109A; calcium uniporter protein, mitochondrial; coiled-coil domain-containing protein 109A;
Entrez Gene ID	90550
Protein Refseq	NP_001257608.1
UniProt ID	Q8NE86
Function	calcium channel activity; protein binding; uniporter activity;
