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KD-Validated Anti-CHCHD3 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI1946

Product Information

Application	WB
Primary Accession	Q9NX63
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB6560
Calculated MW	26152
Gene Name	CHCHD3
Aliases	CHCHD3; Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 3; MINOS3; PPP1R22; MICOS19; Mic19; Mitochondrial Contact Site And Cristae Organizing System Subunit 19; Mitochondrial Inner Membrane Organizing System 3; Protein Phosphatase 1, Regulatory Subunit 22; MICOS Complex Subunit MIC19; FLJ20420; Coiled-Coil-Helix-Coiled-Coil-Helix Domain-Containing Protein 3, Mitochondrial; Coiled-Coil-Helix-Coiled-Coil-Helix Domain-Containing Protein 3; MIC19
Immunogen	Recombinant protein of human CHCHD3

Additional Information

Gene ID	54927
Other Names	MICOS complex subunit MIC19, Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, CHCHD3, MIC19, MINOS3

Protein Information

Name	CHCHD3
Synonyms	MIC19, MINOS3
Function	Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane (PubMed:25781180, PubMed:32567732, PubMed:33130824). Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:25781180, PubMed:32567732, PubMed:33130824). Has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription (PubMed:22567091).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9CRB9}; Lipid-anchor; Intermembrane side {ECO:0000250|UniProtKB:Q9CRB9}.

	Cytoplasm. Nucleus Mitochondrion
Tissue Location	Detected at low levels in brain, placenta, lung, liver, kidney and pancreas with increased levels in heart and skeletal muscle. Higher expression in primary lung cancers than in normal lung tissue.

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