

Rabbit anti-Human, Mouse CHCHD3 Polyclonal Antibody | anti-CHCHD3 antibody

CHCHD3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323078	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHCHD3; Polyclonal Antibody; CHCHD3 Antibody; CHCH3_HUMAN; CHCHD 3; Chchd3; Coiled coil helix coiled coil helix domain containing 3; Coiled coil helix coiled coil helix domain containing protein 3 mitochondrial; Coiled-coil-helix-coiled-coil-helix domain-containing protein 3; FLJ20420; MINOS3; mitochondrial; Mitochondrial inner membrane organizing system 3; PPP1R22; Protein phosphatase 1 regulatory subunit 22; anti-CHCHD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CHCHD3 antibody detects endogenous levels of CHCHD3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	232
Applicable Applications for anti-CHCHD3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHCHD3.
Subcellular Location	Mitochondrion Inner Membrane. Cytoplasm. Nucleus.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA323078 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of A431 cells, using CHCHD3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHCHD3 antibody	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. Has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription. Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:25781180). Subunit Structure: Component of the mitochondrial contact site and cristae organizing system (MICOS) complex, composed of at least MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, APOOL/MIC27, IMMT/MIC60, APOO/MIC23/MIC26 and QIL1/MIC13 (PubMed:21081504, PubMed:22114354, PubMed:22228767, PubMed:25997101). This complex was also known under the names MINOS or MitOS complex. The MICOS complex associates with mitochondrial outer membrane proteins SAMM50, MTX1 and MTX2 (together described as components of the mitochondrial outer membrane sorting assembly machinery (SAM) complex) and DNAJC11, mitochondrial inner membrane protein TMEM11 and with HSPA9 (PubMed:21081504, PubMed:22114354, PubMed:22228767, PubMed:25997101). The MICOS and SAM complexes together with DNAJC11 are part of a large protein complex spanning both membranes termed the mitochondrial intermembrane space bridging (MIB) complex. Interacts with HSPA1A/HSPA1B and OPA1, preferentially with the soluble OPA1 form (By similarity). Interacts with IMMT/MIC60. Similarity: Belongs to the MICOS complex subunit Mic19 family. Metazoan Mic19 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	953768340
NCBI GeneID	54927
NCBI Accession #	NP_001304106.1
NCBI GenBank Nucleotide #	NM_001317177.1
UniProt Accession #	Q9NX63
Molecular Weight	Observed: 26 kDa Predicted: 27 kDa
NCBI Official Full Name	MICOS complex subunit MIC19 isoform 1
NCBI Official Synonym Full Names	coiled-coil-helix-coiled-coil-helix domain containing 3
NCBI Official Symbol	CHCHD3
NCBI Official Synonym Symbols	Mic19; MINOS3; PPP1R22
NCBI Protein Information	MICOS complex subunit MIC19
UniProt Protein Name	MICOS complex subunit MIC19
UniProt Gene Name	CHCHD3
UniProt Synonym Gene Names	MIC19; MINOS3

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/chchd3-antibody-immunohistochemistry-western-blot-elisa/323078>