

**CHCHD3 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3114a

**Specification**

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**CHCHD3 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">O9NX63</a>
Other Accession	<a href="#">NP_060282.1</a> , <a href="#">54927</a> , <a href="#">296966 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog, Sheep
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	26152

**CHCHD3 Antibody (internal region) - Additional Information**

Gene ID 54927

**Other Names**

MICOS complex subunit MIC19, Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, CHCHD3, MIC19, MINOS3

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CHCHD3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHCHD3 Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/25781180" target="\_blank">25781180</a>, PubMed:<a

[32567732](http://www.uniprot.org/citations/32567732), PubMed: [33130824](http://www.uniprot.org/citations/33130824)). Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed: [25781180](http://www.uniprot.org/citations/25781180), PubMed: [32567732](http://www.uniprot.org/citations/32567732), PubMed: [33130824](http://www.uniprot.org/citations/33130824)). Has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription (PubMed: [22567091](http://www.uniprot.org/citations/22567091)).

#### Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9CRB9}; Lipid-anchor; Intermembrane side {ECO:0000250|UniProtKB:Q9CRB9}. Cytoplasm. Nucleus Mitochondrion

#### Tissue Location

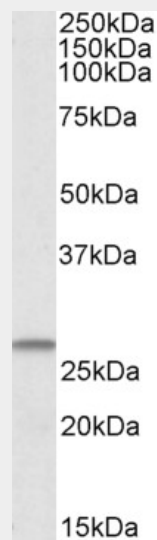
Detected at low levels in brain, placenta, lung, liver, kidney and pancreas with increased levels in heart and skeletal muscle. Higher expression in primary lung cancers than in normal lung tissue.

### CHCHD3 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CHCHD3 Antibody (internal region) - Images



AF3114a (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### CHCHD3 Antibody (internal region) - References

The mitochondrial inner membrane protein mitofilin exists as a complex with SAM50, metaxins 1 and 2, coiled-coil-helix.

Coiled-coil-helix domain-containing protein 3 and 6 and DnaJC11 Xie,J., Marusich,M.F., Souda,P., Whitelegge,J. and Capaldi,R.A. FEBS Lett. 581 (18), 3545-3549 (2007) PMID: 17624330