

Datasheet for ABIN6991790
anti-CHCHD6 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	CHCHD6
Binding Specificity:	AA 20-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHCHD6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Rabbit polyclonal CHCHD6 antibody was raised against a 17 amino acid peptide near the amino terminus of human CHCHD6. The immunogen is located within amino acids 20 - 70 of CHCHD6.
Isotype:	IgG
Specificity:	CHCHD6 is predicted to not cross-react to other members of the CHCHD family.
Purification:	CHCHD6 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CHCHD6
Alternative Name:	CHCHD6 (CHCHD6 Products)

Target Details

Background: CHCHD6 Antibody: CHCHD6 is a member of a family of proteins containing a conserved (coiled coil 1)-(helix 1)-(coiled coil 2)-(helix 2) domain and has been observed in a complex with the mitochondrial proteins mitofilin, SAM50, metaxins 1 and 2, and CHCHD3. CHCHD6 knockdown causes severe defects in mitochondrial cristae morphology as well as reductions in cell growth, ATP production and oxygen consumption. This decrease of CHCHD6 also led to a reduction in mitofilin protein levels, while a knockdown of mitofilin resulted in a reduced level of CHCHD6, suggesting coordinate regulation between these two proteins. CHCHD6 knockdown in human cancer cells enhances their sensitivity to genotoxic anticancer drugs, suggesting that CHCHD6 may be a potential therapeutic anti-tumor target.

Molecular Weight: Predicted: 26 kDa

Gene ID: 84303

NCBI Accession: [NP_115719](#)

UniProt: [Q9BRQ6](#)

Application Details

Application Notes: CHCHD6 antibody can be used for detection of CHCHD6 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CHCHD6 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: CHCHD6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.