

Datasheet for 600-401-AH8**CHCHD6 Antibody****Overview**

Description:	Anti-CHCHD6 (RABBIT) Antibody - 600-401-AH8
Item No.:	600-401-AH8
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	CHCHD6 Antibody, CHCM1, PPP1R23, CHCM1, Coiled-coil-helix-coiled-coil-helix domain-containing protein 6, mitochondrial, Coiled coil helix cristae morphology protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CHCHD6
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti- CHCHD6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human CHCHD6.
Purity/Specificity:	Anti-CHCHD6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CHCHD6 is predicted to not cross-react to other members of the CHCHD family.
Relevant Links:	• UniProtKB - Q9BRQ6 • GeneID - 84303 • NCBI - NP_115719

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CHCHD6 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 26 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

Formulation

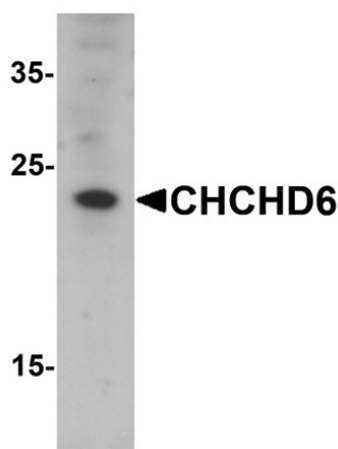
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of CHCHD6.

Load: SK-N-SH cell lysate.

Primary Antibody: CHCHD6 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.