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Datasheet for ABIN7452812
anti-CHCHD4 antibody (AA 92-142)

Overview

Quantity:	100 µg
Target:	CHCHD4
Binding Specificity:	AA 92-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHCHD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-CHCHD4 Antibody, Affinity Purified
Immunogen:	between AA 92 and 142
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	CHCHD4
Alternative Name:	CHCHD4 (CHCHD4 Products)
Background:	Background: CHCHD4 functions as chaperone and catalyzes the formation of disulfide bonds in substrate proteins, such as COX17, COX19 and MICU1. Required for the import and folding of

Target Details

small cysteine-containing proteins (small Tim) in the mitochondrial intermembrane space (IMS). Precursor proteins to be imported into the IMS are translocated in their reduced form into the mitochondria. The oxidized form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with the reduced precursor protein, resulting in oxidation of the precursor protein that now contains an intramolecular disulfide bond and is able to undergo folding in the IMS. Reduced CHCHD4/MIA40 is then reoxidized by GFER/ERV1 via a disulfide relay system. Mediates formation of disulfide bond in MICU1 in the IMS, promoting formation of the MICU1-MICU2 heterodimer that regulates mitochondrial calcium uptake. [taken from the Universal Protein Resource (UniProt) Q8N4Q1].

Gene ID: 131474

UniProt: [Q8N4Q1](#)

Application Details

Application Notes: IP: 50-100 µL/mg lysate
WB: 1:10,000 - 1:25,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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: 4 °C

Expiry Date: 12 months