

DATASHEET

CNOT4 Mouse Monoclonal Antibody(C3546)

CAT. NO. AMA03158

KEY FEATURES

Target	CNOT4	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins . Involved in activation of the JAK/STAT pathway . Catalyzes ubiquitination of methylated RBM15 . Plays a role in quality control of translation of mitochondrial outer membrane-localized mRNA . As part of the PINK1-regulated signaling, upon mitochondria damage, ubiquitinates ABCE1 and thereby recruits autophagy receptors to the mitochondrial outer membrane to initiate mitophagy .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:4000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to CNOT4
Specificity	Recognizes endogenous levels of CNOT4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CNOT4. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 63 kD; Observed: 63 kD
Form/Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NOT4; CCR4-NOT transcription complex subunit 4; CCR4-associated factor 4; E3 ubiquitin-protein ligase CNOT4; Potential transcriptional repressor NOT4Hp
Gene Symbol	CNOT4
Entrez Gene	4850(Human); 53621(Mouse)
SwissProt	O95628(Human); Q8BT14(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

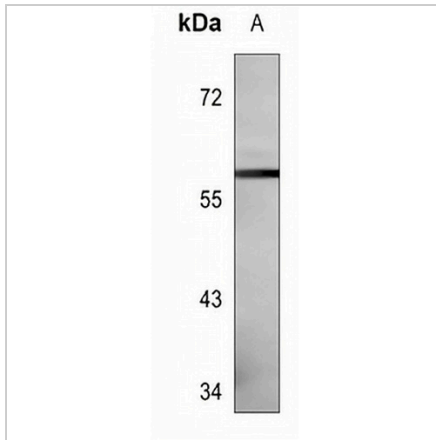
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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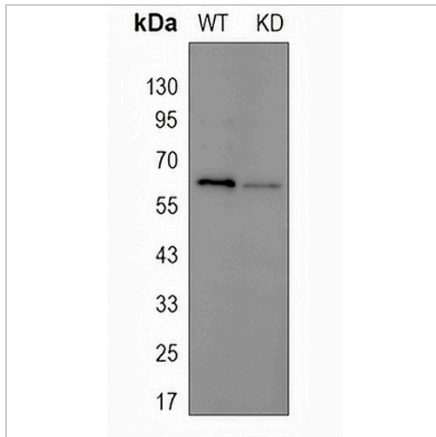
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Western blot analysis of CNOT4 expression in 293 (A) whole cell lysates. (Predicted band size: 63 kD; Observed band size: 63 kD)



Western blot analysis of CNOT4 expression in wild type (WT) and knockdown (KD) HAP1 cell lysates.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.