

DATASHEET

NCOA4 Rabbit Polyclonal Antibody

CAT. NO. APA17434

KEY FEATURES

Target	NCOA4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Cargo receptor for the autophagic turnover of the iron-binding ferritin complex, playing a central role in iron homeostasis . Acts as an adapter for delivery of ferritin to lysosomes and autophagic degradation of ferritin, a process named ferritinophagy . Targets the iron-binding ferritin complex to autolysosomes following starvation or iron depletion . Ensures efficient erythropoiesis, possibly by regulating hemin-induced erythroid differentiation . In some studies, has been shown to enhance the androgen receptor AR transcriptional activity as well as acting as ligand-independent coactivator of the peroxisome proliferator-activated receptor (PPAR) gamma .

APPLICATION

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

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to NCOA4
Specificity	Recognizes endogenous levels of NCOA4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein corresponding to human NCOA4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 32; Observed: 70 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ARA70; ELE1; RFG; Nuclear receptor coactivator 4; NCoA-4; Androgen receptor coactivator 70 kDa protein; 70 kDa AR-activator; 70 kDa androgen receptor coactivator; Androgen receptor-associated protein of 70 kDa; Ret-activating protein ELE1
Gene Symbol	NCOA4
Entrez Gene	8031(Human)
SwissProt	Q13772(Human)

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

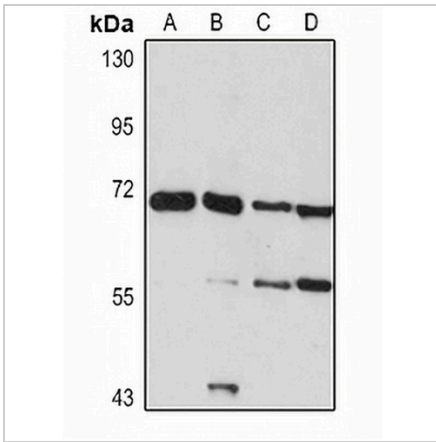
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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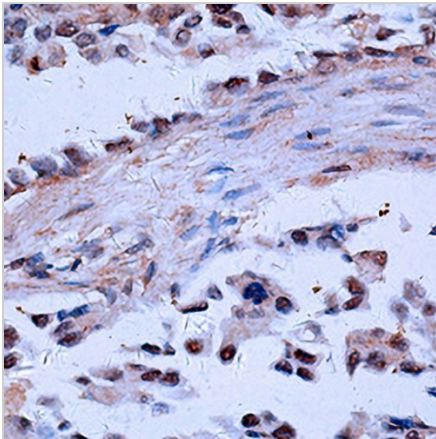
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Western blot analysis of NCOA4 expression in MCF7 (A), HEK293T (B), mouse testis (C), rat testis (D) whole cell lysates. (Predicted band size: 32; 69; 71; 73 kD; Observed band size: 70 kD)



Immunohistochemical analysis of NCOA4 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.