

NCOA4 Rabbit mAb [P4P1]

Cat NO. : A31284

Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB	Human	Q13772	75kDa	Rabbit	IgG	50ul,100ul

Applications detail:

Application	Dilution
WB	1:1000-2000
The optimal dilutions should be determined by the end user	

Conjugate:

UnConjugate

Form:

Liquid

sensitivity:

Endogenous

Purification:

Protein A affinity purified.

Specificity:

Antibody is produced by immunizing animals with a synthetic peptide at the sequence of Human NCOA4

Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at -20°C or -80°C.

Products are valid for one natural year of receipt. Avoid repeated freeze / thaw cycles.

Tissue specificity:

Widely expressed. Also detected in adipose tissues and in different cell lines. Isoform Beta is only expressed in testis.

Subcellular location:

Chromosome

Cytoplasmic vesicle

Lysosome

Nucleus

Function:

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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Cargo receptor for the autophagic turnover of the iron-binding ferritin complex, playing a central role in iron homeostasis (PubMed:25327288, PubMed:26436293).

Acts as an adapter for delivery of ferritin to lysosomes and autophagic degradation of ferritin, a process named ferritinophagy (PubMed:25327288, PubMed:26436293).

Targets the iron-binding ferritin complex to autolysosomes following starvation or iron depletion (PubMed:25327288).

Ensures efficient erythropoiesis, possibly by regulating hemin-induced erythroid differentiation (PubMed:26436293).

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 (PubMed:10347167, PubMed:8643607).

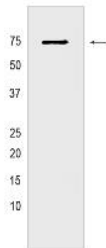
Another study shows only weak behavior as a coactivator for the androgen receptor and no alteration of the ligand responsiveness of the AR (PubMed:10517667).

Binds to DNA replication origins, binding is not restricted to sites of active transcription and may likely be independent from the nuclear receptor transcriptional coactivator function (PubMed:24910095).

May inhibit activation of DNA replication origins, possibly by obstructing DNA unwinding via interaction with the MCM2-7 complex (PubMed:24910095). 6 Publications

Validation Data:

NCOA4 Rabbit mAb [P4P1] Images



Western blot (SDS PAGE) analysis of extracts from HeLa cells. Using NCOA4 Rabbit mAb [P4P1] at dilution of 1:1000 incubated at 4°C over night.

View more information on <http://naturebios.com>

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.