



NCOA4 Antibody

Catalog Number:PA5-39311

Product Data Sheet

Details	
Size	100 µg
Host / Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	A synthetic peptide derived from the internal region of human NCOA4
Form:	Liquid
Concentration:	1mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	Dulbecco's PBS, pH 7.4, with 50% glycerol, 150mM NaCl
Contains	0.02% sodium azide
Storage Conditions:	-20°C

Species Reactivity	
Tested species reactivity	Human Mouse Rat

Tested Applications	Dilution *
Western Blot (WB)	1:500-1:1000
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

General Information

Androgen receptor (AR) coactivator ARA70, also designated NCOA4, RFG and ELE1, is a putative co-activator that specifically enhances the activity of the androgen receptor. In human thyroid carcinomas, the Ret proto-oncogene fuses to ARA70 to form Ret/PTC3 by an intrachromosomal inversion of chromosome in vivo. ARA70 is expressed as two isoforms, ARA70a and ARA70b. The shorter variant, ARA70b, results from an internal 985-bp deletion. ARA70a is widely expressed, and its expression is highest in testis and adipose tissues, whereas ARA70b is solely expressed in the testis. ARA70a can function as a ligand-enhanced co-activator of PPARγ in adipocytes. ARA70 may be involved in prostate carcinogenesis and ovarian cancer and may serve as a key mediator of estrogen-androgen synergism.

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