



ARA70 Polyclonal Antibody

Catalog No	YP-Ab-01538
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;CoIP;ELISA
Gene Name	NCOA4
Protein Name	Nuclear receptor coactivator 4
Immunogen	Synthesized peptide derived from ARA70 . at AA range: 320-400
Specificity	ARA70 Polyclonal Antibody detects endogenous levels of ARA70 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000. IP 1:50-200Not yet tested in other applications.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NCOA4; 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
Observed Band	70kD
Cell Pathway	nucleus,autolysosome,
Tissue Specificity	Widely expressed. Also detected in adipose tissues and in different cell lines. Isoform Beta is only expressed in testis.
Function	alternative products:Additional isoforms seem to exist,disease:A chromosomal aberration involving NCOA4 is a cause of thyroid papillary carcinoma (PACT) [MIM:188550]. Inversion inv(10)(q11.2;q11.2) generates the RET/NCOA4 (PTC3) oncogene that has been found in sporadic and radiation-associated post-Chernobyl thyroid papillary carcinomas.,function:Enhances the androgen receptor transcriptional activity in prostate cancer cells. Ligand-independent coactivator of the peroxisome proliferator-activated receptor (PPAR) gamma.,polymorphism:Polymorphisms are specific to isoform alpha. Not found in isoform beta. Could be encoded by two different genes.,subunit:Interacts with the androgen receptor and the retinoid X receptor (RXR) in a ligand-dependent manner.,tissue specificity:Widely expressed. Also detected in adipose tissues and in different cell lines. Isoform beta is only expressed in testis



Background

This gene encodes an androgen receptor coactivator. The encoded protein interacts with the androgen receptor in a ligand-dependent manner to enhance its transcriptional activity. Chromosomal translocations between this gene and the ret tyrosine kinase gene, also located on chromosome 10, have been associated with papillary thyroid carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes are present on chromosomes 4, 5, 10, and 14. [provided by RefSeq, Feb 2009],

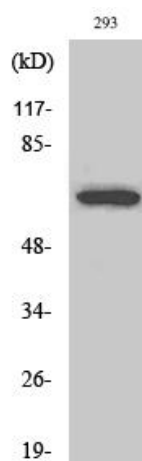
matters needing attention

Avoid repeated freezing and thawing!

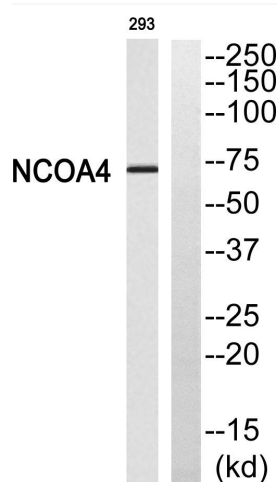
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

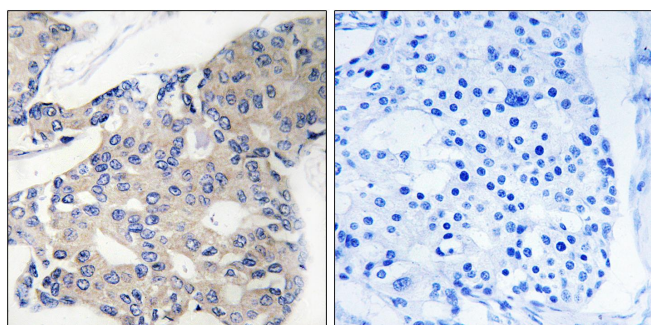
Products Images



Western Blot analysis of various cells using ARA70 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of NCOA4 Antibody. The lane on the right is blocked with the NCOA4 peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using NCOA4 Antibody. The lane on the right is blocked with the NCOA4 peptide.