10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NCOA4 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant NCOA4.
Catalog # AT2983a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q13772
Other Accession	NM_005437
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Lambda
Clone Names	1F11
Calculated MW	69726

Additional Information

Gene ID	8031
Other Names	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, NCOA4, ARA70, ELE1, RFG
Target/Specificity	NCOA4 (NP_005428, 505 a.a. ~ 614 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NCOA4 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

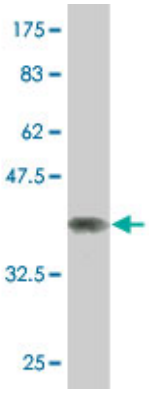
Background

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.

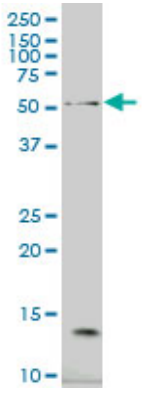
References

Absence of BRAF, NRAS, KRAS, HRAS mutations, and RET/PTC gene rearrangements distinguishes dominant nodules in Hashimoto thyroiditis from papillary thyroid carcinomas. Sadow PM, et al. Endocr Pathol, 2010 Jun. PMID 20012784.The variant rs1867277 in FOXE1 gene confers thyroid cancer susceptibility through the recruitment of USF1/USF2 transcription factors. Landa I, et al. PLoS Genet, 2009 Sep. PMID 19730683.Transcript level modulates the inherent oncogenicity of RET/PTC oncoproteins. Richardson DS, et al. Cancer Res, 2009 Jun 1. PMID 19487296.Multiple genetic variants along candidate pathways influence plasma high-density lipoprotein cholesterol concentrations. Lu Y, et al. J Lipid Res, 2008 Dec. PMID 18660489.Stimulation of prostate cancer cellular proliferation and invasion by the androgen receptor co-activator ARA70. Peng Y, et al. Am J Pathol, 2008 Jan. PMID 18156210.

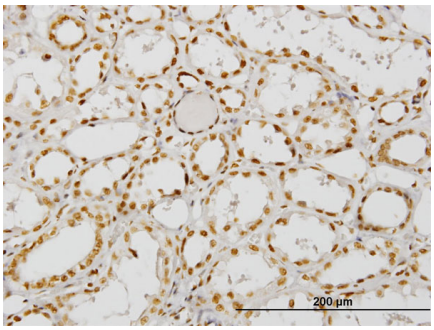
Images



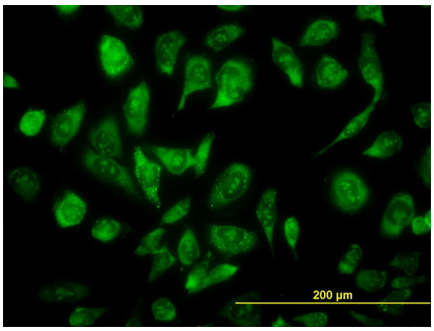
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



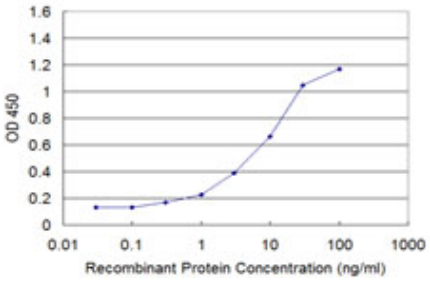
NCOA4 monoclonal antibody (M05), clone 1F11 Western Blot analysis of NCOA4 expression in Hela S3 NE ((Cat # AT2983a)



Immunoperoxidase of monoclonal antibody to NCOA4 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to NCOA4 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged NCOA4 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.