Best Tools for immunology Research

NCoA-3 Monoclonal Antibody

Catalog No :	YM0466
Reactivity :	Human
Applications :	WB;ELISA
Target :	NCoA-3
Fields :	>>Endocrine resistance;>>Estrogen signaling pathway;>>Thyroid hormone signaling pathway;>>Pathways in cancer;>>Breast cancer
Gene Name :	NCOA3
Protein Name :	Nuclear receptor coactivator 3
Human Gene Id :	8202
Human Swiss Prot No :	Q9Y6Q9
Mouse Swiss Prot No :	O09000
Immunogen :	Purified recombinant fragment of NCoA-3 (aa1-200) expressed in E. Coli.
Specificity :	NCoA-3 Monoclonal Antibody detects endogenous levels of NCoA-3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	155kD

P References :

1. Mol Cell Biol. 2005 Sep;25(18):8273-84.
2. J Clin Oncol. 2006 Oct 1;24(28):4565-9.

Background :

The protein encoded by this gene is a nuclear receptor coactivator that interacts with nuclear hormone receptors to enhance their transcriptional activator functions. The encoded protein has histone acetyltransferase activity and recruits p300/CBP-associated factor and CREB binding protein as part of a multisubunit coactivation complex. This protein is initially found in the cytoplasm but is translocated into the nucleus upon phosphorylation. Several transcript variants encoding different isoforms have been found for this gene. In addition, a polymorphic repeat region is found in the C-terminus of the encoded protein. [provided by RefSeq, Mar 2010],

Function :

alternative products:Additional isoforms seem to exist,catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,domain:Contains three Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs. Motifs 1 and 2 are essential for the association with nuclear receptors, and constitute the RID domain (Receptor-interacting domain).,enzyme regulation:Coactivator activity on nuclear receptors and NF-kappa-B pathways is enhanced by various hormones, and the TNF cytokine, respectively. TNF stimulation probably enhances phosphorylation, which in turn activates coactivator function. In contrast, acetylation by CREBBP apparently suppresses coactivation of target genes by disrupting its association with nuclear receptors.,function:Nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone-dependent fashion. Plays a central role in creating a multisubuni

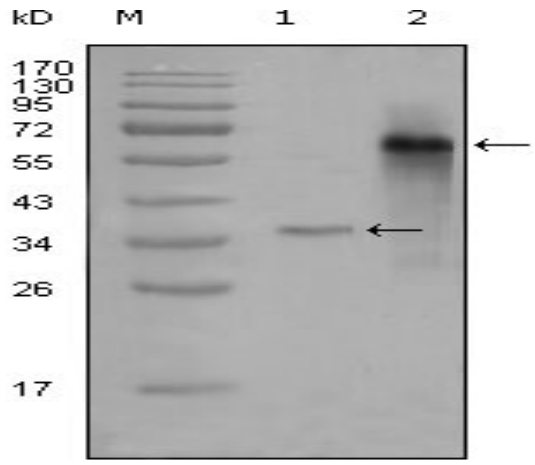
Subcellular Location :

Cytoplasm. Nucleus. Mainly cytoplasmic and weakly nuclear. Upon TNF activation and subsequent phosphorylation, it translocates from the cytoplasm to the nucleus.

Expression :

Widely expressed. High expression in heart, skeletal muscle, pancreas and placenta. Low expression in brain, and very low in lung, liver and kidney.

Products Images



Western Blot analysis using NCoA-3 Monoclonal Antibody against truncated Trx-NCoA-3 recombinant protein (1) and truncated NCoA-3 (aa1-200)-hIgGFc transfected CHOK1 cell lysate (2).