

## NCoA-3 (Phospho Thr24) Rabbit pAb

CatalogNo: YP1510

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 160kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human SRC-3 (Thr24)

**Specificity** This antibody detects endogenous levels of Human SRC-3 (phospho-Thr24)

### Target Information

**Gene name** NCOA3 AIB1 BHLHE42 RAC3 TRAM1

**Protein Name**

SRC-3 (Thr24)

Organism	Gene ID	UniProt ID
Human	<a href="#">8202;</a>	<a href="#">Q9Y6Q9;</a>
Mouse		<a href="#">O09000;</a>
Rat		<a href="#">Q9EPU2;</a>

**Cellular Localization**

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

**Tissue specificity**

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

**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 multisubunit coactivator complex , which probably acts via remodeling of chromatin. Involved in the coactivation of different nuclear receptors , such as for steroids (GR and ER) , retinoids (RARs and RXRs) , thyroid hormone (TRs) , vitamin D3 (VDR) and prostanoids (PPARs) . Displays histone acetyltransferase activity. Also involved in the coactivation of the NF-kappa-B pathway via its interaction with the NFKB1 subunit. ,miscellaneous:NCOA3 is frequently amplified or overexpressed in breast and ovarian cancers. ,polymorphism:The length of the poly-Gln region is polymorphic in the normal population. ,PTM:Acetylated by CREBBP. Acetylation occurs in the RID domain , and disrupts the interaction with nuclear receptors and regulates its function. ,PTM:Methylated by CARM1. ,PTM:Phosphorylated by IKK complex. Regulated its function. ,similarity:Belongs to the SRC/p160 nuclear receptor coactivator family. ,similarity:Contains 1 basic helix-loop-helix (bHLH) domain. ,similarity:Contains 1 PAS (PER-ARNT-SIM) domain. ,subcellular location:Mainly cytoplasmic and weakly nuclear. Upon TNF activation and subsequent phosphorylation , it translocates from the cytoplasm to the nucleus. ,subunit:Interacts with CARM1 (By similarity) . Present in a complex containing NCOA2 , IKKA , IKKB , IKBKG and the histone acetyltransferase protein CREBBP. Interacts with CASP8AP2 , NR3C1 and PCAF. Interacts with ATAD2 and this interaction is enhanced by estradiol. ,tissue specificity:Widely expressed. High expression in heart , skeletal muscle , pancreas and placenta. Low expression in brain , and very low in lung , liver and kidney. ,

## Validation Data

## Contact information

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Please scan the QR code  
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Thr24) Rabbit pAb**

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