

GRIP-1 (Phospho Ser736) Rabbit pAb

CatalogNo: YP0825 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 180kD (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 1:500-1:2000

IHC 1:100-1:300

ELISA 1:5000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human NCoA2 around the phosphorylation site of Ser736. AA range:702-751

Specificity

Phospho-GRIP-1 (S736) Polyclonal Antibody detects endogenous levels of GRIP-1 protein only when phosphorylated at S736. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PVsPK

Target Information

Gene name NCOA2

Protein Name Nuclear receptor coactivator 2

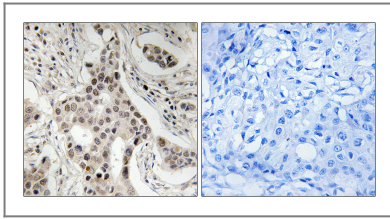
Organism	Gene ID	UniProt ID
Human	10499;	Q15596;
Mouse		Q61026;

Cellular Localization Nucleus .

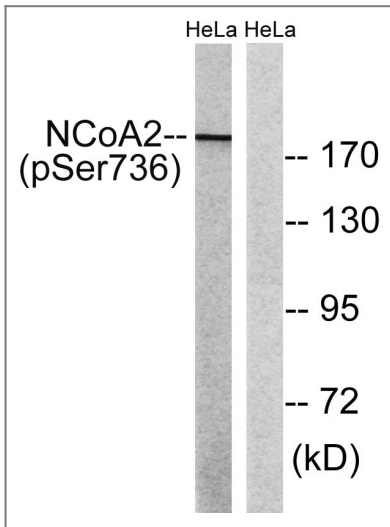
Tissue specificity Epithelium ,Placenta ,Spinal cord ,Testis ,

Function Disease:Chromosomal aberrations involving NCOA2 may be a cause of acute myeloid leukemias. Inversion inv (8) (p11;q13) generates the MYST3-NCOA2 oncogene , which consists of the N-terminus part of MYST3/MOZ and the C-terminus part of NCOA2/TIF2. MYST3-NCOA2 binds to CREBBP and disrupts its function in transcription activation. ,Domain:Contains 2 C-terminal transcription activation domains (AD1 and AD2) that can function independently. ,Domain:Contains four Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs. The LXXLL motifs are essential for the association with nuclear receptors and are , at least in part , functionally redundant. ,Domain:The LLXXLXXXL motif is involved in transcriptional coactivation and CREBBP/CBP binding. ,Function:Transcriptional coactivator for steroid receptors and nuclear receptors. Coactivator of the steroid binding domain (AF-2) but not of the modulating N-terminal domain (AF-1) . Required with NCOA1 to control energy balance between white and brown adipose tissues. ,PTM:Phosphorylated upon DNA damage , probably by ATM or ATR. ,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. ,subunit:Present in a complex containing CARM1 and EP300/P300 , and interacts with CARM1 and NR3C2 (By similarity) . Present in a complex containing NCOA3 , IKKA , IKKB , IKBKG and CREBBP. Interacts (via C-terminus) with CREBBP. Interacts with HIF1A , NCOA1 , APEX and NR3C1. Interacts with CASP8AP2 and TTLL5/STAMP. Interacts with ESR1 , RARA and RXRA. ,

Validation Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using NCoA2 (Phospho-Ser736) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with TSA 400nM 24H, using NCoA2 (Phospho-Ser736) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
GRIP-1 (Phospho Ser736) Rabbit pAb

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