

GRIP-1 Rabbit pAb

CatalogNo: Y2062

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 159kD (Calculated)

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

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human NCoA2. AA range: 702-751

Specificity GRIP-1 Polyclonal Antibody detects endogenous levels of GRIP-1 protein.

Target Information

Gene name NCOA2

Protein Name Nuclear receptor coactivator 2

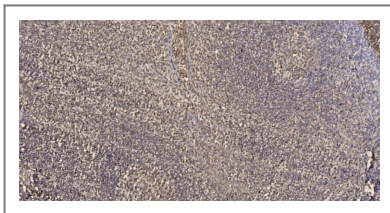
Organism	Gene ID	UniProt ID
Human	10499;	Q15596;
Mouse		Q61026;

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



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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GRIP-1 Rabbit pAb

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