

MED1 (Phospho Thr1032) Rabbit pAb

CatalogNo: YP1808

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- IHC, WB

MW

- 174kD (Calculated)

Storage

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

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

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human PPARBP (Phospho Thr1032)

Specificity This antibody detects endogenous levels of PPARBP (Phospho Thr1032) Rabbit pAb at Human, Mouse. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):PFtPP

| Target Information

Gene name MED1 ARC205 CRSP1 CRSP200 DRIP205 DRIP230 PBP PPARBP PPARGBP RB18A TRAP220 TRIP2

Protein Name Mediator of RNA polymerase II transcription subunit 1 (Activator-recruited cofactor 205 kDa component) (ARC205) (Mediator complex subunit 1) (Peroxisome proliferator-activated receptor-binding protein) (PBP) (PPAR-binding protein) (Thyroid hormone receptor-associated protein complex 220 kDa component) (Trap220) (Thyroid receptor-interacting protein 2) (TR-interacting protein 2) (TRIP-2) (Vitamin D receptor-interacting protein complex component DRIP205) (p53 regulatory protein RB18A)

| Organism | Gene ID | UniProt ID |
|----------|------------------------|-------------------------|
| Human | 5469; | Q15648; |
| Mouse | 19014; | Q925J9; |

Cellular Localization Nucleus . A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3.

Tissue specificity Ubiquitously expressed.

Function Function:Component of the Mediator complex , a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. ,PTM:Phosphorylated by MAPK1 or MAPK3 during G2/M phase which may enhance protein stability and promote entry into the nucleolus. Phosphorylated upon DNA damage , probably by ATM or ATR. ,sequence Caution:Contaminating sequence. Potential poly-A sequence. ,similarity:Belongs to the Mediator complex subunit 1 family. ,subcellular location:A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3. ,subunit:Interacts with GATA1 and YWHAH (By similarity) . Component of the Mediator complex , which is composed of MED1 , MED4 , MED6 , MED7 , MED8 , MED9 , MED10 , MED11 , MED12 , MED13 , MED13L , MED14 , MED15 , MED16 , MED17 , MED18 , MED19 , MED20 , MED21 , MED22 , MED23 , MED24 , MED25 , MED26 , MED27 , MED29 , MED30 , MED31 , CCNC , CDK8 and CDC2L6/CDK11. The MED12 , MED13 , CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC , CRSP , DRIP , PC2 , SMCC and TRAP. This subunit specifically interacts with a number of nuclear receptors in a ligand-dependent fashion including AR , ESR1 , ESR2 , PPARA , PPARG , RXRA , RXRG , THRA , THRB and VDR. Interacts with CTNNB1 , GABPA , GLI3 , PPARGC1A and TP53. Binds DNA. ,tissue specificity:Ubiquitously expressed. ,

| Validation Data

Contact information

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MED1 (Phospho Thr1032) Rabbit pAb

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