

## MED1 (Phospho Thr1457) Rabbit pAb

CatalogNo: YP0890 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Monkey

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 168kD (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**

**IF 1:200-1:1000**

**ELISA 1:5000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PPAR-BP around the phosphorylation site of Thr1457. AA range:1423-1472

## Specificity

Phospho-TRAP220 (T1457) Polyclonal Antibody detects endogenous levels of TRAP220 protein only when phosphorylated at T1457. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):AYtPQ

## 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

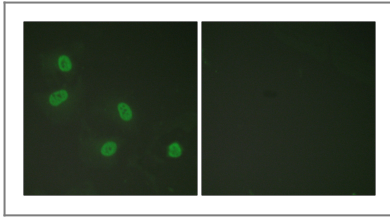
Organism	Gene ID	UniProt ID
Human	<a href="#">5469</a> ;	<a href="#">Q15648</a> ;
Mouse	<a href="#">19014</a> ;	<a href="#">Q925J9</a> ;

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

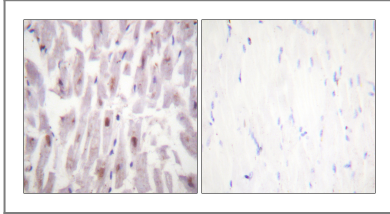
**Tissue specificity** Ubiquitously expressed.

**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.,

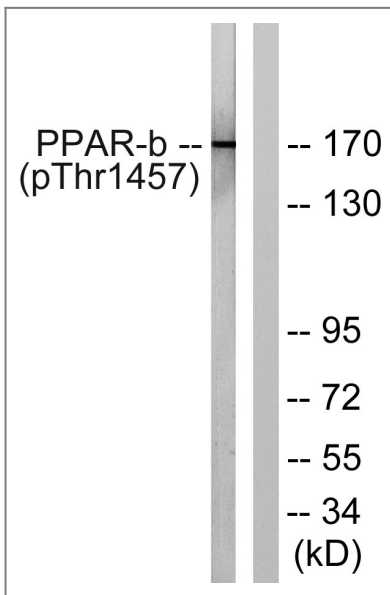
## Validation Data



Immunofluorescence analysis of HeLa cells, using PPAR-BP (Phospho-Thr1457) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human heart, using PPAR-BP (Phospho-Thr1457) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with Serum 20% 30', using PPAR-BP (Phospho-Thr1457) 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:  
**MED1 (Phospho-Thr1457) Rabbit pAb**