

## TRAP240 Rabbit pAb

CatalogNo: YT4728

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 250kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### | 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.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human MED13L. AA range: 449-498

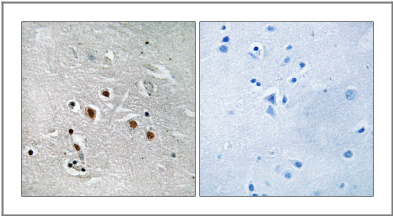
#### Specificity

TRAP240 Polyclonal Antibody detects endogenous levels of TRAP240 protein.

### | Target Information

Gene name	MED13L									
Protein Name	Mediator of RNA polymerase II transcription subunit 13-like									
	<table><tr><th>Organism</th><th>Gene ID</th><th>UniProt ID</th></tr><tr><td>Human</td><td><a href="#">23389</a>;</td><td><a href="#">Q71F56</a>;</td></tr><tr><td>Mouse</td><td><a href="#">76199</a>;</td><td><a href="#">Q6JPI3</a>;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	<a href="#">23389</a> ;	<a href="#">Q71F56</a> ;	Mouse	<a href="#">76199</a> ;	<a href="#">Q6JPI3</a> ;
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Human	<a href="#">23389</a> ;	<a href="#">Q71F56</a> ;								
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Cellular Localization	Nucleus .									
Tissue specificity	Highly expressed in brain (cerebellum), heart (aorta), skeletal muscle, kidney, placenta and peripheral blood leukocytes. Highly expressed in fetal brain.									
Function	<p>Disease:A chromosomal aberration involving MED13L is found in a patient with transposition of the great arteries, dextro-looped and mental retardation. Translocation t(12;17)(q24.1;q21).,Disease:Defects in MED13L are a cause of transposition of the great arteries, dextro-looped (DTGA) [MIM:608808]. DTGA consists of complete inversion of the great vessels, so that the aorta incorrectly arises from the right ventricle and the pulmonary artery incorrectly arises from the left ventricle. This creates completely separate pulmonary and systemic circulatory systems, an arrangement that is incompatible with life. Patients often have atrial and/or ventricular septal defects or other types of shunting that allow some mixing between the circulations in order to support life minimally, but surgical intervention is always required.,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. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the Mediator complex subunit 13 family.,subunit: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.,tissue specificity:Highly expressed in brain (cerebellum), heart (aorta), skeletal muscle, kidney, placenta and peripheral blood leukocytes. Highly expressed in fetal brain.,</p>									

Validation Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MED13L Antibody. The picture on the right is blocked with the synthesized peptide.

## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**TRAP240 Rabbit  
pAb**

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