

TRAP230 Rabbit pAb

CatalogNo: YT4726

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- IHC, IF, WB, ELISA

MW

- 247kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**IHC 1:100-1:300****ELISA 1:5000****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 MED12. AA range:611-660**Specificity** TRAP230 Polyclonal Antibody detects endogenous levels of TRAP230 protein.

Target Information

Gene name MED12

Protein Name Mediator of RNA polymerase II transcription subunit 12

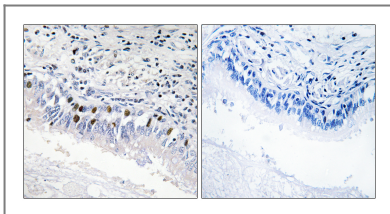
Organism	Gene ID	UniProt ID
Human	9968 ;	Q93074 ;
Mouse		A2AGH6 ;

Cellular Localization Nucleus .

Tissue specificity Ubiquitous.

Function Disease:Defects in MED12 are the cause of Lujan-Fryns syndrome [MIM:309520]; also known as X-linked mental retardation with marfanoid habitus. Clinically, Lujan-Fryns syndrome can be distinguished from Opitz-Kaveggia syndrome by tall stature, hypernasal voice, hyperextensible digits and high nasal root.,Disease:Defects in MED12 are the cause of Opitz-Kaveggia syndrome (OKS) [MIM:305450]; also known as FG syndrome type 1 (FGS1) or FG syndrome (FGS). OKS is an X-linked disorder characterized by mental retardation, relative macrocephaly, hypotonia and constipation.,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.,similarity:Belongs to the Mediator complex subunit 12 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. Also interacts with CTNNB1 and GLI3.,tissue specificity:Ubiquitous.,

Validation Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using MED12 Antibody. The picture on the right is blocked with the synthesized peptide.

Contact information

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**TRAP230 Rabbit
pAb**

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