

For Research Use Only

MED12 Polyclonal antibody

Catalog Number: 20028-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

20028-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005120

GeneID (NCBI):

9968

UNIPROT ID:

Q93074

Full Name:

mediator complex subunit 12

Calculated MW:

243 kDa

Observed MW:

243 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse liver tissue,

IF : HepG2 cells,

Background Information

Mediator of RNA polymerase II transcription subunit 12 (MED12), also named Activator-recruited cofactor 240 kDa component, Thyroid hormone receptor-associated protein complex 230 kDa component. MED12 is a 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. Molecular weight of MED12 is about 240kd. This antibody is specific to MED12.

Notable Publications

Author	Pubmed ID	Journal	Application
Elizabeth Bertsch	24390224	Mod Pathol	IHC,IF
Nobuko Yasutake	35605413	Pathol Res Pract	IHC
Yingchao Zhou	35456498	Genes (Basel)	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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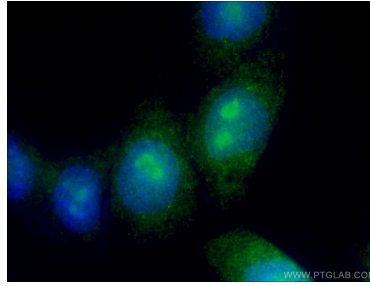
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 20028-1-AP (MED12 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 20028-1-AP (MED12 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).