

For Research Use Only

MED12 Polyclonal antibody

Catalog Number: 20028-1-AP **2 Publications**



Basic Information

Catalog Number: 20028-1-AP	GenBank Accession Number: NM_005120	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 450 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9968	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: mediator complex subunit 12	
Isotype: IgG	Calculated MW: 243 kDa	
	Observed MW: 243 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse liver tissue, IF : HepG2 cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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
Lihua Wang	28377463	EMBO J	WB

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

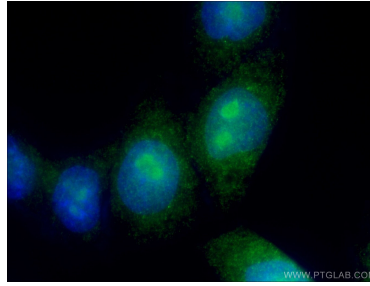
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).