

# MED18 Polyclonal antibody

Catalog Number: 15352-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 15352-1-AP	<b>GenBank Accession Number:</b> BC002694	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54797	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BUE0	
<b>Isotype:</b> IgG	<b>Full Name:</b> mediator complex subunit 18	
<b>Immunogen Catalog Number:</b> AG7598	<b>Calculated MW:</b> 24 kDa	
	<b>Observed MW:</b> 24 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, Jurkat cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human stomach cancer tissue,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MED18, also named as Mediator of RNA polymerase II transcription subunit 18, is a 208 amino acid protein, which belongs to the Mediator complex subunit 18 family. MED18 is a component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. MED18 as a mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. MED18 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wen-Shuai Tang	34233190	Cell Rep	WB

## Storage

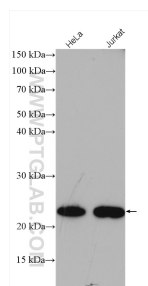
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

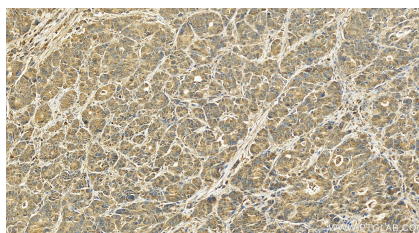
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15352-1-AP (MED18 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15352-1-AP (MED18 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).