

For Research Use Only

# MED4 Monoclonal antibody

Catalog Number: 67839-1-Ig



## Basic Information

<b>Catalog Number:</b> 67839-1-Ig	<b>GenBank Accession Number:</b> BC005189	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop and 448 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29079	<b>CloneNo.:</b> 2E6F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NPJ6	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> mediator complex subunit 4	
<b>Immunogen Catalog Number:</b> AG8562	<b>Calculated MW:</b> 270 aa, 30 kDa	
	<b>Observed MW:</b> ~36 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, rat	<b>WB :</b> LNCaP cells, HeLa, HEK-293, Jurkat, K-562, HSC-T6, PC-12, NIH/3T3, 4T1
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human breast cancer tissue,
	<b>IF/ICC :</b> HepG2 cells,

## Background Information

MED4 is a component of the Mediator complex, which is 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. It also has an alternative name called "Activator-recruited cofactor 36 kDa component (ARC36)".

## Storage

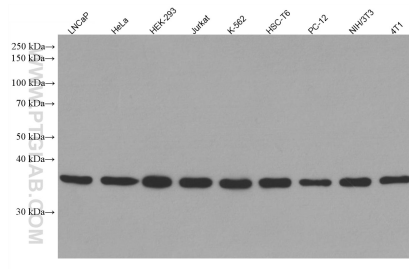
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

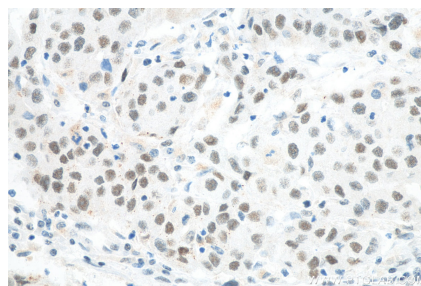
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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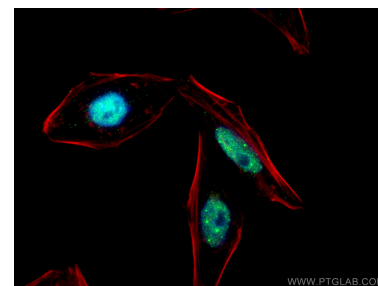
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67839-1-Ig (MED4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67839-1-Ig (MED4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MED4 antibody (67839-1-Ig, Clone: 2E6F4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). DAPI (Blue).