

For Research Use Only

MED4 Monoclonal antibody

Catalog Number: 67839-1-Ig



Basic Information

Catalog Number: 67839-1-Ig	GenBank Accession Number: BC005189	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 29079	CloneNo.: 2E6F4
Source: Mouse	UNIPROT ID: Q9NPJ6	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: mediator complex subunit 4	
Immunogen Catalog Number: AG8562	Calculated MW: 270 aa, 30 kDa	
	Observed MW: ~36 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
Human, Mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: LNCaP cells, HeLa, HEK-293, Jurkat, K-562, HSC-T6, PC-12, NIH/3T3, 4T1

IHC: human breast cancer tissue,

IF/ICC: 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

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

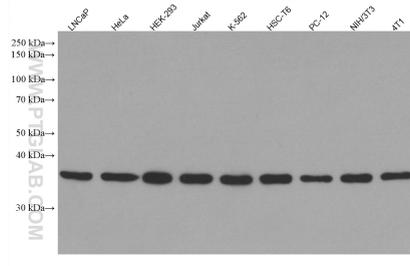
T: 4006900926

E: Proteintech-CN@ptglab.com

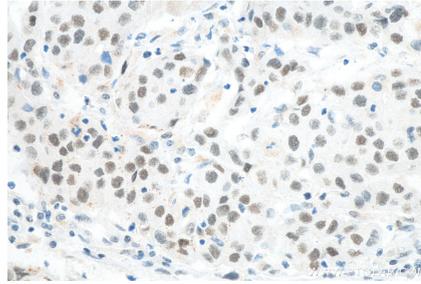
W: ptgcn.com

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

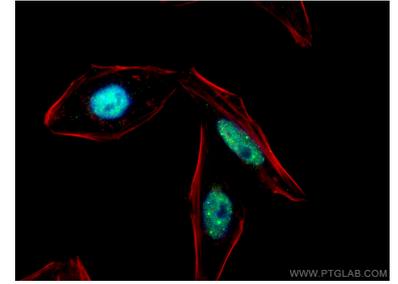
Selected Validation Data



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).