

For Research Use Only

# MAP4 Monoclonal antibody

Catalog Number: 68271-1-Ig



## Basic Information

<b>Catalog Number:</b> 68271-1-Ig	<b>GenBank Accession Number:</b> BC012794	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 4134	<b>CloneNo.:</b> 1C1A6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P27816	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> microtubule-associated protein 4	
<b>Immunogen Catalog Number:</b> AG1741	<b>Calculated MW:</b> 121 kDa	
	<b>Observed MW:</b> 210-240 kDa	

## Applications

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

**Species Specificity:**  
human

**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:** NCCIT cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, MOLT-4 cells

**IHC:** human lung cancer tissue,

**IF/ICC:** A431 cells,

## Background Information

MAP4 is a ubiquitously expressed microtubule-associated protein involved in the organization and stabilization of microtubules during various cellular activities. Recently it has been reported that expression of MAP4 was upregulated in esophageal squamous cell carcinoma (ESCC). MAP4 has been considered as an independent prognostic factor for ESCC. The predicted molecular weight of MAP4 is about 120 kDa, while higher molecular weight around 200-250 kDa is usually observed in WB test, which may be the result of glycosylation. (26876215, 8647865)

## 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:

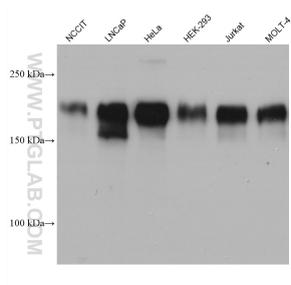
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

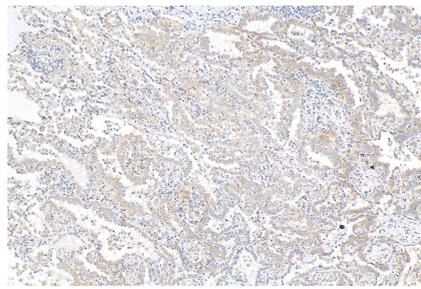
W: [ptgcn.com](http://ptgcn.com)

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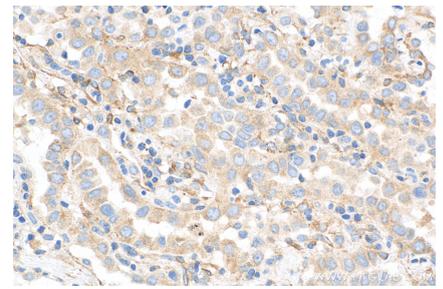
## Selected Validation Data



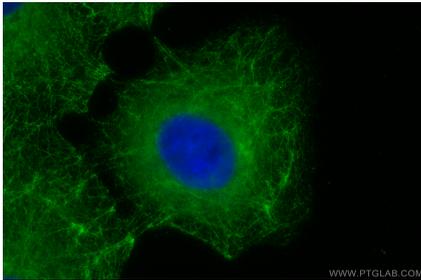
Various lysates were subjected to SDS PAGE followed by western blot with 68271-1-Ig (MAP4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68271-1-Ig (MAP4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68271-1-Ig (MAP4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using MAP4 antibody (68271-1-Ig, Clone: 1C1A6) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).