

For Research Use Only

# MAP4 Monoclonal antibody, PBS Only



Catalog Number: 68271-1-PBS

## Basic Information

<b>Catalog Number:</b> 68271-1-PBS	<b>GenBank Accession Number:</b> BC012794	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4134	<b>CloneNo.:</b> 1C1A6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P27816	
<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, Indirect ELISA, IHC

**Species Specificity:**  
Human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

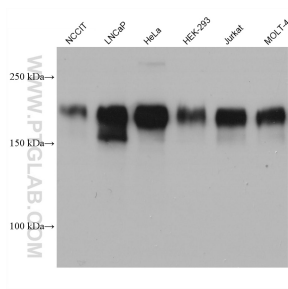
T: 4006900926

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

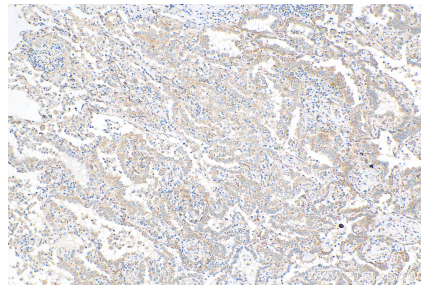
W: [ptgcn.com](http://ptgcn.com)

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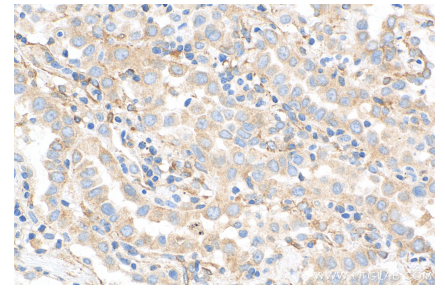
## Selected Validation Data



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. This data was developed using the same antibody clone with 68271-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68271-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68271-1-PBS in a different storage buffer formulation.