

For Research Use Only

# GEMIN8 Monoclonal antibody

Catalog Number: 67871-1-Ig



## Basic Information

<b>Catalog Number:</b> 67871-1-Ig	<b>GenBank Accession Number:</b> BC003607	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54960	<b>CloneNo.:</b> 1A6B4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NWZ8	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:500-1:2000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> gem (nuclear organelle) associated protein 8	
<b>Immunogen Catalog Number:</b> AG6774	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, 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 : NIH/3T3 cells, HeLa cells

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

## Background Information

GEMIN8, also named as FAM51A1 and Gemin-8, is associated with the SMN complex and is localized in the cytoplasm and in the nucleus, where it is highly concentrated in Gems. Gemin6, Gemin7, and Unrip form a stable cytoplasmic complex whose association with SMN requires Gemin8. Gemin8 binds directly to SMN and mediates its interaction with the Gemin6/Gemin7 heterodimer. This antibody recognize GEMIN8(28-32kd) only.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

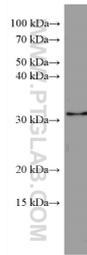
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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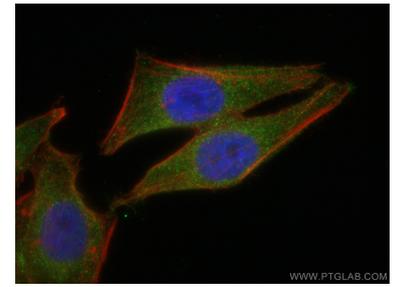
## Selected Validation Data



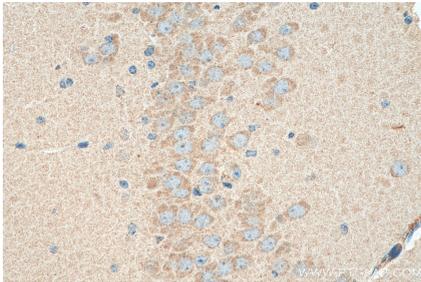
HeLa cells were subjected to SDS PAGE followed by western blot with 67871-1-Ig (GEMIN8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67871-1-Ig (GEMIN8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GEMIN8 antibody (67871-1-Ig, Clone: 1A6B4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). DAPI (Blue).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67871-1-Ig (GEMIN8 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).