

For Research Use Only

GEMIN8 Monoclonal antibody

Catalog Number: 67871-1-Ig



Basic Information

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

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : NIH/3T3 cells, HeLa cells
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

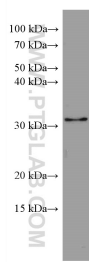
T: 4006900926

E: Proteintech-CN@ptglab.com

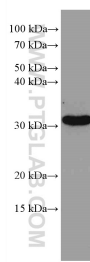
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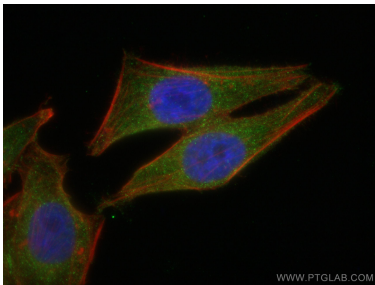
Selected Validation Data



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).