

For Research Use Only

# ERMN Monoclonal antibody

Catalog Number: 66605-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66605-1-Ig	<b>GenBank Accession Number:</b> BC026345	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1400 µg/ml	<b>GeneID (NCBI):</b> 57471	<b>CloneNo.:</b> 2B1C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TAM6	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ermin, ERM-like protein	
<b>Immunogen Catalog Number:</b> AG27040	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB :</b> pig brain tissue, pig cerebellum, rat brain, rat cerebellum, mouse brain
<b>Species Specificity:</b> Human, mouse, rat, pig	<b>IHC :</b> mouse brain tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ERMN is associated with cytoskeletal rearrangements and the stability of myelin sheath. A study has shown that ERMN is expressed specifically in oligodendrocytes in the central nervous system (CNS), and is involved in the formation of myelin (PMID: 20934411). The predicted MW of ERMN is 33 kDa, while western blot analyses of different tissue lysates using 66605-1-Ig antibody to ERMN detected a 50 kDa single band protein as a result of phosphorylation modification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rafael Alcalá-Vida	36179935	Prog Neurobiol	WB
Yushi Yang	34516348	Bioengineered	IHC

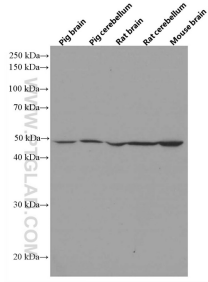
## Storage

**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

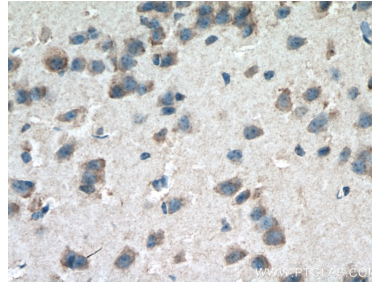
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## Selected Validation Data



Various tissues were subjected to SDS PAGE followed by western blot with 66605-1-Ig (ERMN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66605-1-Ig (ERMN antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).