# ERMN Polyclonal antibody

Catalog Number:31432-1-AP

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Antibodies | ELISA kits | Proteins
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## Basic Information

| | | |
|---|---|---|
| Catalog Number:<br>31432-1-AP | GenBank Accession Number:<br>BC026345 | Purification Method:<br>Antigen affinity Purification |
| Size:<br>650 ug/ml | GeneID (NCBI):<br>57471 | Recommended Dilutions:<br>WB 1:1000-1:5000 |
| Source:<br>Rabbit | UNIPROT ID:<br>Q8TAM6 | IF-P 1:50-1:500 |
| Isotype:<br>IgG | Full Name:<br>ermin, ERM-like protein | |
| Immunogen Catalog Number:<br>AG35648 | Observed MW:<br>45 kDa | |

## Applications

Tested Applications:
WB, IF-P, ELISA
Species Specificity:
human, mouse, rat

Positive Controls:

WB : rat brain tissue, rat cerebellum tissue

IF-P : rat brain tissue, mouse brain tissue

## 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 detected a 45-50 kDa single band protein as a result of phosphorylation modification.

## Storage

Storage:
Store at -20℃. 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

# Selected Validation Data
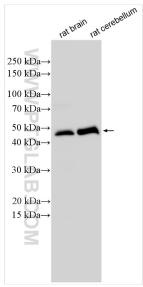


Various lysates were subjected to SDS PAGE followed by western blot with 31432-1-AP (ERMN antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.
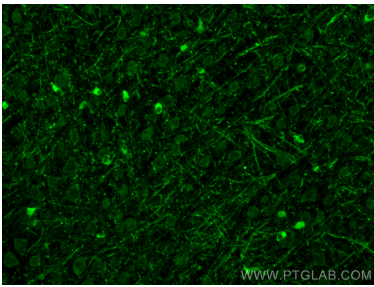


Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using ERMN antibody (31432-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
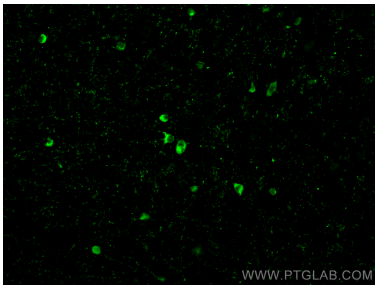


Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using ERMN antibody (31432-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).