

For Research Use Only

PMP2 Polyclonal antibody

Catalog Number:12717-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

12717-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3411

GenBank Accession Number:

BC034997

GeneID (NCBI):

5375

UNIPROT ID:

P02689

Full Name:

peripheral myelin protein 2

Calculated MW:

132 aa, 15 kDa

Observed MW:

15-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat, pig

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 : pig spinal cord tissue, human brain tissue, mouse testis tissue

IHC : human gliomas tissue,

Background Information

PMP2 (peripheral myelin protein-2, also known as P2) is one of the major proteins of peripheral myelin and appears to be related to the transport of fatty acids or the metabolism of myelin lipids. P2 constitutes up to 15% of total protein of peripheral nervous system (PNS) myelin. It is also present in small amounts in central nervous system (CNS) myelin, being abundant in spinal cord and brain stem myelin. As a structural protein, P2 is thought to stabilize the myelin membranes.

Notable Publications

Author	Pubmed ID	Journal	Application
Lakshmi Dhevi N Selvan	26181685	Mol Biosyst	IHC
Jureepon Roboon	36274991	Front Cell Neurosci	WB
Jennifer Zenker	24849898	Glia	IHC

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

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

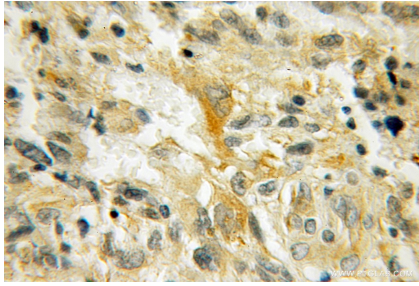
T: 4006900926

E: Proteintech-CN@ptglab.com

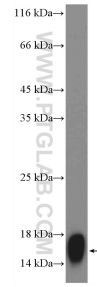
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human gliomas using 12717-1-AP (PMP2 antibody) at dilution of 1:100 (under 10x lens).



pig spinal cord tissue were subjected to SDS PAGE followed by western blot with 12717-1-AP (PMP2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.