PMP2 Polyclonal antibody

Catalog Number:12717-1-AP   **17 Publications**

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Basic Information

Catalog Number: 12717-1-AP	**GenBank Accession Number:** BC034997	**Purification Method:** Antigen affinity purification
Size: 1000 μg/ml	**GeneID (NCBI):** 5375	**Recommended Dilutions:** WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	**UNIPROT ID:** P02689	
Isotype: IgG	**Full Name:** peripheral myelin protein 2	
Immunogen Catalog Number: AG3411	**Calculated MW:** 132 aa, 15 kDa	
	Observed MW: 15-20 kDa	

Applications

Tested Applications:
IHC, WB,ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human, mouse, rat, pig

Cited Species:
human, rat, mouse, 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℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
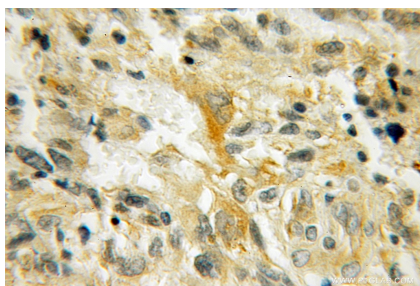Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human gliomas using 12717-1-AP (PMP2 antibody) at dilution of 1:100 (under 10x lens).
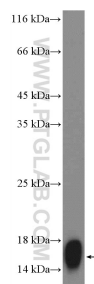
pig spinal cord tissue were subjected to SDS PAGE followed by western blot with 12717-1-AP (PMP2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.