

For Research Use Only

PLP1 Polyclonal antibody

Catalog Number: 33901-1-AP



Basic Information

Catalog Number: 33901-1-AP	GenBank Accession Number: NM_000533.4	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 5354	Recommended Dilutions: IHC: 1:50-1:500 IF-P: 1:200-1:800
Isotype: IgG	UNIPROT ID: P60201	
Immunogen Catalog Number: AG38738	Full Name: proteolipid protein 1	
	Calculated MW: 30kDa, 277aa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, human brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF-P : mouse brain tissue,

Background Information

Myelin proteolipid protein is also named PLP1 and Lipophilin. Plp1 is abundantly expressed by oligodendrocytes of the central nervous system (CNS), where it encodes the most abundant protein in CNS myelin (PMID: 19452287). Plp1 expression preferentially occurs during early postnatal development, primarily as the DM20 isoform (PMID: 37293625).

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:

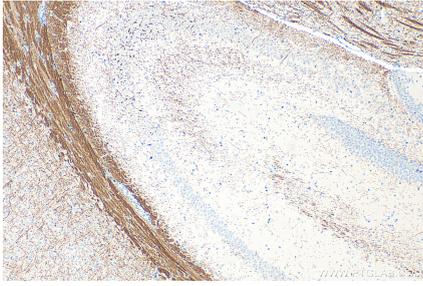
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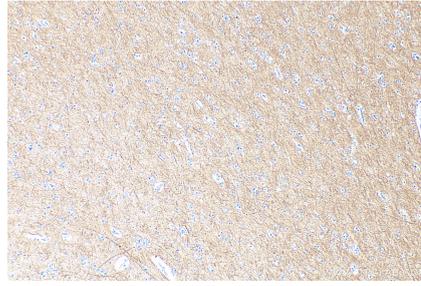
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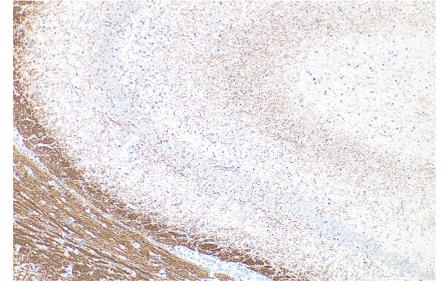
Selected Validation Data



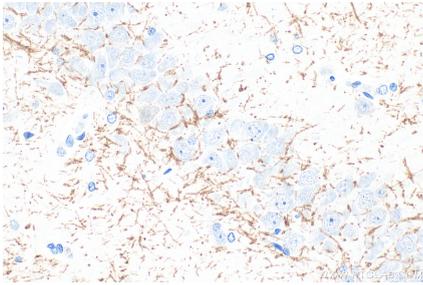
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 33901-1-AP (PLP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



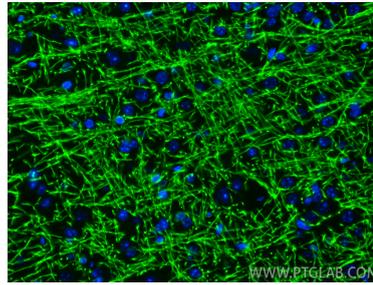
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 33901-1-AP (PLP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



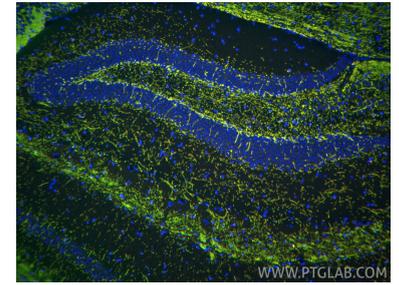
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 33901-1-AP (PLP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 33901-1-AP (PLP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using PLP1 antibody (33901-1-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 mouse brain tissue using PLP1 antibody (33901-1-AP) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CoraLite® Plus 488 MBP antibody (CL488-10458, green). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).