

A14251

Leader in Biomolecular Solutions for Life Science



## PLP1 Rabbit pAb

Catalog No.: A14251

1 Publications

### Basic Information

#### Observed MW

20-25kDa

#### Calculated MW

30kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

This gene encodes a transmembrane proteolipid protein that is the predominant component of myelin. The encoded protein may play a role in the compaction, stabilization, and maintenance of myelin sheaths, as well as in oligodendrocyte development and axonal survival. Mutations in this gene cause Pelizaeus-Merzbacher disease and spastic paraplegia type 2. Alternatively splicing results in multiple transcript variants, including the DM20 splice variant.

### Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

5354

#### Swiss Prot

P60201

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 102-148 of human PLP1 (NP\_955772.1).

#### Synonyms

PLP; PMD; HLD1; MMPL; SPG2; GPM6C; PLP/DM20; PLP1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

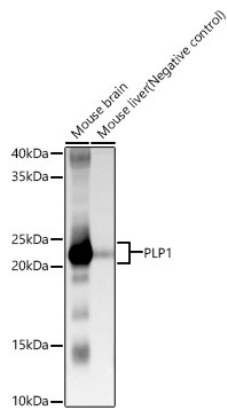
Affinity purification

#### Storage

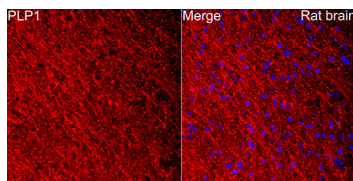
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates, using PLP1 Rabbit pAb (A14251) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Immunofluorescence analysis of rat brain using PLP1 Rabbit pAb (A14251) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.