

Datasheet for ABIN7600320  
**anti-PLP2 antibody (AA 18-152)**



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## Overview

Quantity:	100 µg
Target:	PLP2
Binding Specificity:	AA 18-152
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PLP2 Antibody Picoband®
Immunogen:	E.coli-derived human PLP2 recombinant protein (Position: N18-V152).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PLP2 Antibody Picoband® (ABIN7600320). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	PLP2
Alternative Name:	PLP2 ( <a href="#">PLP2 Products</a> )
Background:	<p>Synonyms: ELAV-like protein 2, ELAV-like neuronal protein 1, Hu-antigen B, HuB, Nervous system-specific RNA-binding protein Hel-N1, ELAVL2, HUB</p> <p>Tissue Specificity: Brain, neural-specific.</p> <p>Background: Proteolipid protein 2 is a protein that in humans is encoded by the PLP2 gene. This gene encodes an integral membrane protein that localizes to the endoplasmic reticulum in colonic epithelial cells. The encoded protein can multimerize and may function as an ion channel. A polymorphism in the promoter of this gene may be linked to an increased risk of X-linked cognitive disability. A pseudogene of this gene is found on chromosome 5.</p>
Molecular Weight:	17 kDa
Gene ID:	5355
UniProt:	<a href="#">Q04941</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Fisher, S. E., Ciccodicola, A., Tanaka, K., Curci, A., Desicato, S., D'Urso, M., Craig, I. W. Sequence-based exon prediction around the synaptophysin locus reveals a gene-rich area containing novel genes in human proximal Xp. Genomics 45: 340-347, 1997. 2. Oliva, M. M., Wu, T. C., Yang, V. W. Isolation and characterization of a differentiation-dependent gene in the human colonic cell line HT29-18. Arch. Biochem. Biophys. 302: 183-192, 1993. 3. Zhang, L., Jie, C., Obie, C., Abidi, F., Schwartz, C. E., Stevenson, R. E., Valle, D., Wang, T. X chromosome cDNA microarray screening identifies a functional PLP2 promoter polymorphism enriched in patients with X-linked mental retardation. Genome Res. 17: 641-648, 2007.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

## Handling

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Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.