

Rabbit anti-Human PLP2 Polyclonal Antibody | anti-PLP2 antibody

Anti-PLP2 Antibody, Rabbit Polyclonal

CATALOG # AAA256515	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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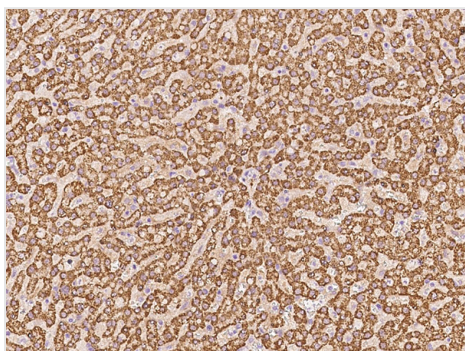
PRODUCT SYNONYMS

PLP2; Polyclonal Antibody; Anti-PLP2 Antibody; Rabbit Polyclonal; PLP2 Antibody; Rabbit PAb; Antigen Affinity Purified; proteolipid protein 2 (colonic epithelium-enriched); Anti-A4 Antibody; Anti-A4LSB Antibody; anti-PLP2 antibody

PRODUCT SPECIFICATIONS

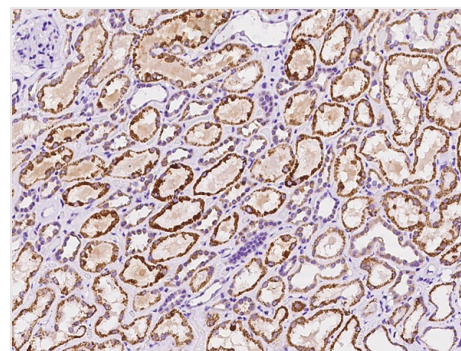
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PLP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PLP2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PLP2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PLP2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PLP2 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PLP2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PLP2 antibody	Proteolipid protein 2 (PLP2) is upregulated in several cancers, including breast cancer, hepatocellular carcinoma, osteosarcoma, and melanoma. PLP2 specifically binds to phosphatidylinositol 3 kinase to activate the protein kinase B pathway to enhance cell proliferation, adhesion, and invasion in melanoma cells. PLP2, a membrane protein of the endoplasmic reticulum, is related to tumor proliferation and metastasis in some human cancers, but not in gliomas. PLP2 is an integral ion channel membrane protein of the endoplasmic reticulum. The protein is highly expressed in many cancer types. Increased PLP2 expression promotes GBM growth and that PLP2 represents a potential future therapeutic target. PLP2 promotes the metastasis of B16F10 cells in an experimental metastasis model. Downregulation of PLP2 or FAK may improve outcomes of malignant tumor therapy.
References	Ozawa H, et al. (2012) Knockdown of proteolipid protein 2 or focal adhesion kinase with an artificial microrna reduces growth and metastasis of b16bl6 melanoma cells. Oncol Lett 3 (1): 19-24.Feng Z, et al. (2020) Reduced expression of proteolipid protein 2 increases er stress-induced apoptosis and autophagy in glioblastoma. J Cell Mol Med 24 (5): 2847-2856.Ding Z, et al. (2015) Loss of mir-664 expression enhances cutaneous malignant melanoma proliferation by upregulating plp2. Medicine (Baltimore) 94 (33): e1327.Chen YH, et al. (2018) Proteolipid protein 2 overexpression indicates aggressive tumor behavior and adverse prognosis in human gliomas. Int J Mol Sci 19 (11): 3353.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/plp2-antibody-immunohistochemistry-elisa/256515>