10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLP2 Rabbit pAb

Catalog # AP99644

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q04941
Other Accession	Q04941
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16691
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLP2
Epitope Specificity	1-100/152
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 MARVEL domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 mental retardation. A pseudogene of this gene is found on chromosome 5. [provided by RefSeq, Jan 2010]

Additional Information

Gene ID	5355
Other Names	A4; A4LSB; PLP2_HUMAN; PLP2; Differentiation-dependent protein A4; Intestinal membrane A4 protein; proteolipid protein 2; proteolipid protein 2 (colonic epithelium-enriched); A4 differentiation-dependent protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PLP2

Synonyms	A4
Function	May play a role in cell differentiation in the intestinal epithelium.
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Enriched in colonic mucosa. The expression of A4 follows a gradient along the crypto-villus axis with the most abundant message occurring in the lower half of the crypt

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.