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MPZL2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17697c

Product Information

Application	WB, E
Primary Accession	O60487
Other Accession	NP_005788.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37719
Calculated MW	24484
Antigen Region	67-94

Additional Information

Gene ID	10205
Other Names	Myelin protein zero-like protein 2, Epithelial V-like antigen 1, MPZL2, EVA, EVA1
Target/Specificity	This MPZL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-94 amino acids from the Central region of human MPZL2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MPZL2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MPZL2
Synonyms	EVA {ECO:0000303|PubMed:9585423}, EVA1
Function	Mediates homophilic cell-cell adhesion.

Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed. In fetal tissues, highest expression in the inner ear. In adult tissues, highest levels in thymus and lung.

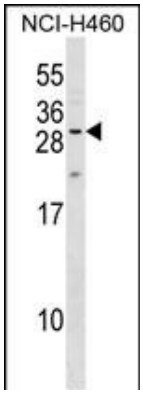
Background

Thymus development depends on a complex series of interactions between thymocytes and the stromal component of the organ. Epithelial V-like antigen (EVA) is expressed in thymus epithelium and strongly downregulated by thymocyte developmental progression. This gene is expressed in the thymus and in several epithelial structures early in embryogenesis. It is highly homologous to the myelin protein zero and, in thymus-derived epithelial cell lines, is poorly soluble in nonionic detergents, strongly suggesting an association to the cytoskeleton. Its capacity to mediate cell adhesion through a homophilic interaction and its selective regulation by T cell maturation might imply the participation of EVA in the earliest phases of thymus organogenesis. The protein bears a characteristic V-type domain and two potential N-glycosylation sites in the extracellular domain; a putative serine phosphorylation site for casein kinase 2 is also present in the cytoplasmic tail. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

References

Kim, H., et al. Pharmacogenomics 10(2):171-179(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
Guttinger, M., et al. J. Cell Biol. 141(4):1061-1071(1998)

Images



MPZL2 Antibody (Center) (Cat. #AP17697c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the MPZL2 antibody detected the MPZL2 protein (arrow).