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MPZL2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17697c

Specification

MPZL2 Antibody (Center) - Product Information

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

MPZL2 Antibody (Center) - 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

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.

MPZL2 Antibody (Center) - 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

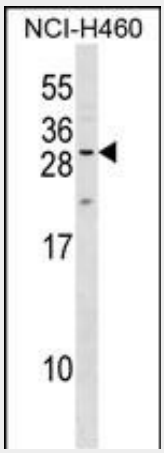
Tissue Location
Widely expressed. In fetal tissues, highest expression in the inner ear. In adult tissues, highest levels in thymus and lung.

MPZL2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MPZL2 Antibody (Center) - 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).

MPZL2 Antibody (Center) - 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].

MPZL2 Antibody (Center) - 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)