



Rabbit Anti-EVA1 antibody

SL11080R

Product Name:	EVA1
Chinese Name:	髓鞘蛋白P0样蛋白2抗体
Alias:	Epithelial V like antigen 1; epithelial V-like antigen; EVA; EVA1; MPZL2; MPZL2 myelin protein zero like 2; myelin protein zero-like 2; Myelin protein zero like protein 2; MPZL2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MPZL2/EVA1:61-160/215<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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, Jul 2008].

Function:

Mediates homophilic cell-cell adhesion.

Subcellular Location:

Cell Membrane; Single-pass type I membrane protein, cytoskeleton

Tissue Specificity:

Expressed in thymocytes and thymic stromal cells; expression elevated in some T-cell leukemias.

Similarity:

Belongs to the myelin P0 protein family.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

O60487

Gene ID:

10205

Database links:

[Entrez Gene: 10205](#) Human

[Omim: 604873](#) Human

[SwissProt: O60487](#) Human

[Unigene: 116651](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.