

产品名称: HLA-DM β Rabbit Polyclonal Antibody
产品货号: APRab12080



产品概述 (Summary)

产品名称 (Production Name)	HLA-DM β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HLA-DMB DMB RING7
别名 (Alternative Names)	HLA class II histocompatibility antigen, DM beta chain (MHC class II antigen DMB; Really interesting new gene 7 protein)
基因 ID (Gene ID)	3109.0
蛋白 ID (SwissProt ID)	P28068.Synthetic peptide from human protein at AA range: 40-100

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

研究背景 (Background)

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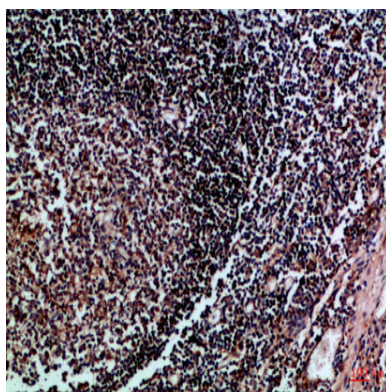


HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq, Jul 2008],domain:The YXXZ (Tyr-Xaa-Xaa-Zaa, where Zaa is a hydrophobic residue) motif mediates the targeting to the lysosomal compartments.,function:Plays a critical role in catalyzing the release of class II HLA-associated invariant chain-derived peptides (CLIP) from newly synthesized class II HLA molecules and freeing the peptide binding site for acquisition of antigenic peptides.,polymorphism:The following alleles of DMB are known: DMB*0101, DMB*0102, DMB*0103, DMB*0104 (DMB3.4), DMB*0105 and DMB*0106. The sequence shown is that of DMB*0101.,similarity:Belongs to the MHC class II family.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subcellular location:Localizes to late endocytic compartment. Associates with lysosome membranes.,subunit:Heterodimer of an alpha chain (DMA) and a beta chain (DMB),

研究领域 (Research Area)

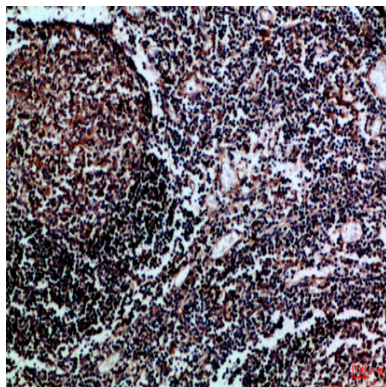
Cell adhesion molecules (CAMs);Antigen processing and presentation;Intestinal immune network for IgA production;Type I diabetes mellitus;Asthma;Autoimmune thyroid disease;Systemic lupus erythematosus;Allograft rejection;Graft-versus-host disease;Viral myocarditis;

图片 (Image Data)

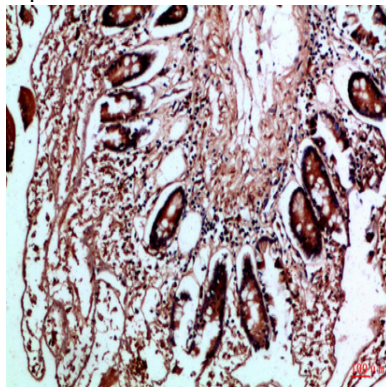


Immunohistochemical analysis of paraffin-embedded Human-tonsil, antibody was diluted at 1:100

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注意事项 (Note)

For research use only .