



HLA-DOβ Polyclonal Antibody

Catalog No	BYab-30007
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	HLA-DOB
Protein Name	HLA class II histocompatibility antigen DO beta chain
Immunogen	The antiserum was produced against synthesized peptide derived from human HLA-DOB. AA range:1-50
Specificity	HLA-DOβ Polyclonal Antibody detects endogenous levels of HLA-DOβ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HLA-DOB; HLA class II histocompatibility antigen; DO beta chain; MHC class II antigen DOB
Observed Band	30kD
Cell Pathway	Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Complexes with HLA-DM molecule during intracellular transport and in endosomal/lysosomal compartments. Heterotetramerization is necessary to exit the ER.
Tissue Specificity	B-cell,
Function	function:Important modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule.,polymorphism:The following alleles of DOB are known: DOB*0101, DOB*0102, DOB*0103 and DOB*0104. The sequence shown is that of DOB*0101.,similarity:Belongs to the MHC class II family.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subunit:Heterodimer of an alpha chain (DOA) and a beta chain (DOB),.

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Background

HLA-DOB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. It is located in intracellular vesicles. DO suppresses peptide loading of MHC class II molecules by inhibiting HLA-DM. 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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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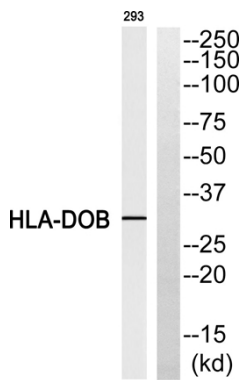
监督电话: 15950492658



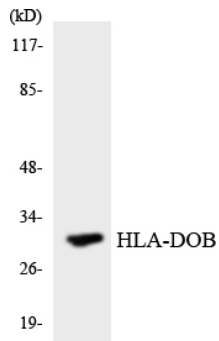
Products Images



Western Blot analysis of various cells using HLA-DOB Polyclonal Antibody diluted at 1:1000



Western blot analysis of HLA-DOB Antibody. The lane on the right is blocked with the HLA-DOB peptide.



Western blot analysis of the lysates from HeLa cells using HLA-DOB antibody.

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