



HLA-DOβ rabbit pAb

Cat#: orb765412 (Manual)

For research use only. Not intended for diagnostic use.

Product Name HLA-DOβ rabbit pAb

Host species Rabbit

Applications WB;ELISA

Species Cross-Reactivity Human

Recommended dilutions Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other

applications.

Immunogen The antiserum was produced against synthesized peptide derived from

human HLA-DOB. AA range: I-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..

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name HLA class II histocompatibility antigen DO beta chain

Gene Name HLA-DOB

Cellular localization 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.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.





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Clonality Polyclonal

Concentration 1 mg/ml

Observed band 30kD

3112 **Human Gene ID**

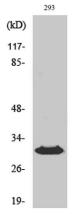
Human Swiss-Prot Number P13765

Alternative Names HLA-DOB; HLA class II histocompatibility antigen; DO beta chain; MHC

class II antigen DOB

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. DOB), both anchored in the memorane. It is located in intracentular 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],

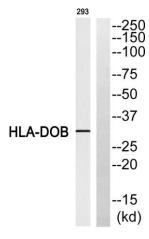


Western Blot analysis of various cells using HLA-DOB Polyclonal Antibody diluted at 1:1000

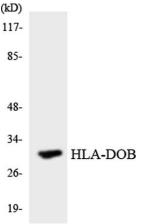




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Western blot analysis of HLA-DOB Antibody. The lane on the right is blocked with the HLA-DOB peptide.



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