

# HLA-DOB Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51778

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P13765</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	30822

## Additional Information

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<b>Gene ID</b>	3112
<b>Other Names</b>	HLA class II histocompatibility antigen, DO beta chain, MHC class II antigen DOB, HLA-DOB
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human HLA-DOB. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	HLA-DOB
<b>Function</b>	Important modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B- cells. Modifies peptide exchange activity of HLA-DM.
<b>Cellular Location</b>	Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein Note=Complexes with HLA-DM molecule during intracellular transport and in endosomal/lysosomal compartments. Heterotetramerization is necessary to exit the ER

## Background

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Important modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B-cells. Modifies peptide exchange activity of HLA-DM.

## References

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Tonnelle C.,et al.EMBO J. 4:2839-2847(1985).  
Jonsson A.-K.,et al.Immunogenetics 29:411-413(1989).  
Beck S.,et al.J. Mol. Biol. 228:433-441(1992).  
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Mungall A.J.,et al.Nature 425:805-811(2003).

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