

HLA-B Antibody (Center)

Catalog_no :	AB0815
Applications :	WB, IHC-P, IF
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:182-208
Specificity :	This HLA-B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-208 amino acids from the Central region of human HLA-B.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	HLA class I histocompatibility antigen, B-7 alpha chain, MHC class I antigen B*7, HLA-B, HLAB
Isotype :	Rabbit Ig
Background :	HLA-B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described.
reference :	Parsons, M.S., et al. J. Infect. Dis. 202 SUPPL 3, S356-S360 (2010) : Brockman, M.A., et al. J. Virol. 84(22):11937-11949(2010) Noble, J.A., et al. Diabetes 59(11):2972-2979(2010) Lipponen, K., et al. Diabetes (2010) In press : Liao, Y.Q., et al. Zho