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Datasheet for ABIN1417852  
**anti-HLA-B27 antibody (AA 81-180) (HRP)**

### Overview

Quantity:	100 µL
Target:	HLA-B27
Binding Specificity:	AA 81-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-B27 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HLA B27
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	HLA-B27
Alternative Name:	HLA B27 ( <a href="#">HLA-B27 Products</a> )
Background:	Synonyms: HLA B27 HLA-B27, HLAB, Leukocyte antigen class I B, Lymphocyte antigen, Major

## Target Details

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histocompatibility complex class I B, SPDA1, 1B27\_HUMAN.

Background: Major histocompatibility complex (MHC) molecules form an integral part of the immune response system. They are cell-surface receptors that bind peptides and present them to T lymphocytes. Human leukocyte antigens (HLAs) are polymorphic members of the MHC family that are specifically involved in the presentation of antigens to the T cell receptor. There are two classes of HLA antigens: class I (HLA-A, HLA-B and HLA-C) and class II (HLA-D). Class I molecules are expressed in nearly all cells and play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes. HLA-B encodes a membrane anchored heavy chain which hetero-dimerizes with a light chain ( $\beta$ -2-Microglobulin) to form MHC-I. Polymorphisms yield hundreds of HLA-B alleles. The HLA-B27 allele appears with increased frequency in uveitis patients.

## Application Details

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Application Notes:           WB 1:300-5000  
                                      IHC-P 1:200-400  
                                      IHC-F 1:100-500

Restrictions:                 For Research Use only

## Handling

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Format:                        Liquid

Concentration:               1  $\mu$ g/ $\mu$ L

Buffer:                        Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative:                ProClin

Precaution of Use:         This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice:            Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage:                      -20 °C

Storage Comment:          Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months