HLA-DR polyclonal antibody

The anti-HLA-DR antibody detects human HLA-DR, a major histocompatibility complex (MHC) class II cell surface receptor expressed on antigen-presenting cells. This antibody is optimized for use in immunohistochemistry (IHC).

HLA-DR is a heterodimeric protein that belongs to the MHC class II family and is predominantly expressed on professional antigen-presenting cells, including dendritic cells, macrophages, and B cells. It plays a central role in adaptive immunity by presenting extracellular antigens to CD4+ T cells, initiating an immune response. HLA-DR is critical for immune system function and is widely studied in the context of autoimmune diseases, transplantation immunology, and infectious diseases. Dysregulation of HLA-DR expression is associated with conditions such as rheumatoid arthritis, multiple sclerosis, and chronic inflammatory disorders. Additionally, HLA-DR is often upregulated in activated microglia, making it a key marker for studying neuroinflammation in diseases like Alzheimer's and Parkinson's.

This antibody is covered by our Worry-Free Guarantee.

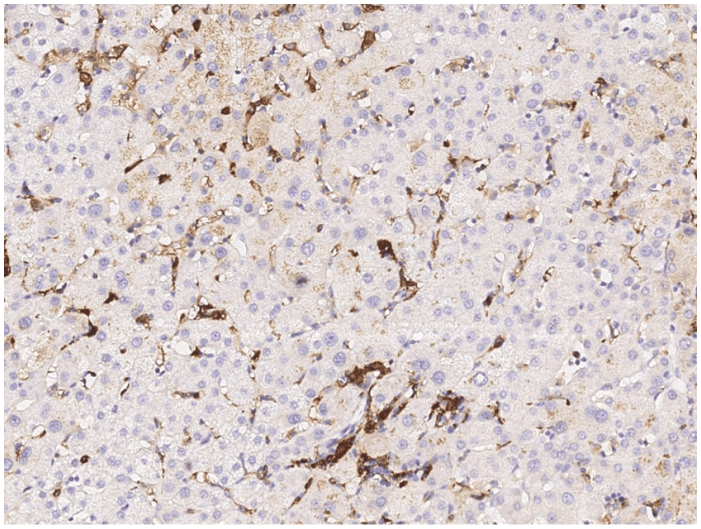
Ordering Information

Order Online »

ENZ-ABS1045-0100	100µl

Manuals, SDS & CofA

View Online »



Immunohistochemical staining of human HLA-DR in human liver with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	IHC (PS)
Formulation	Liquid. 0.2 µm filtered solution in PBS. Carrier-free. Preservative-free.
Host	Rabbit
Immunogen	Synthetic peptide corresponding to the center region of the Human HLA-DR.
Isotype	IgG
Purity Detail	Protein A and antigen affinity purified.
Recommendation Dilutions/Conditions	Immunohistochemistry (paraffin sections) (1:500-1:2'000) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
Species Reactivity	Human
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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