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Datasheet for ABIN7091354 **anti-HLA-DPA1 antibody**

Overview

Quantity:	100 µL
Target:	HLA-DPA1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HLA-DPA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HLA-DPA1
Clone:	H2F5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	HLA-DPA1
Alternative Name:	HLA-DPA1 (HLA-DPA1 Products)
Background:	Synonyms: DP(W3), DP(W4), HLA class II histocompatibility antigen DP alpha 1 chain, HLA

Target Details

class II histocompatibility antigen DP alpha chain, HLA DP1A, HLA DPA 1, HLA SB alpha chain, HLADP, HLA-DP, HLADPA1, HLASB, HLASB histocompatibility type, Human MHC class II HLA SB alpha gene, Major histocompatibility complex class II DP alpha 1, MHC class II antigen, MHC class II DP3 alpha, MHC class II DPA1, MHC class II HLA DPA1 antigen, PLT1, Primed lymphocyte test 1.

Background: HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq, Jul 2008]

Gene ID:	3113
UniProt:	P20036
Pathways:	TCR Signaling , Cancer Immune Checkpoints

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF() ICC 1:100-500
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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

Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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