

Datasheet for ABIN2789429

anti-HLA-DPB1 antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HLA-DPB1
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-DPB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	KRAVPDRMCR HNYELGGPMT LQRRVQPRVN VSPSKKGPLQ HHNLLVCHVT
Predicted Reactivity:	Dog: 86%, Human: 100%, Rabbit: 93%
Characteristics:	This is a rabbit polyclonal antibody against HLA-DPB1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HLA-DPB1
Alternative Name:	HLA-DPB1 (HLA-DPB1 Products)
Background:	HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), both anchored in the

Target Details

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 beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes 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.

Alias Symbols: DPB1, HLA-DP1B

Protein Interaction Partner: LZTS2, TRIP6, LGR4, COPB1, RTN4, ROBO2, HLA-DPA1, CD74,
Protein Size: 258

Molecular Weight:	26 kDa
Gene ID:	3115
NCBI Accession:	NM_002121 , NP_002112
UniProt:	P04440
Pathways:	TCR Signaling , Cancer Immune Checkpoints , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 258 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

