

Datasheet for ABIN2789532

anti-HLA-DRB3 antibody (C-Term)



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Overview

Quantity:	100 µL
Target:	HLA-DRB3
Binding Specificity:	C-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-DRB3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GFYPGSIEVR WFRNGQEEKA GVVSTGLIQN GDWTFQTLVM LETVPRSGEV
Predicted Reactivity:	Human: 100%, Pig: 100%
Characteristics:	This is a rabbit polyclonal antibody against HLA-DRB3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HLA-DRB3
Alternative Name:	HLA-DRB3 (HLA-DRB3 Products)
Background:	HLA-DRB3 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB3 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.

Alias Symbols: HLA-DR3B, HLA-DR52, HLA-DRB1, MGC117330

Protein Interaction Partner: CDCA8, MAP3K13, YWHAE, PKM, HSP90AB1, HSP90AA1, HSPA8, MS4A1, ATP1B1, ANXA11, CTAG1B, POMC,

Protein Size: 266

Molecular Weight:	27 kDa
Gene ID:	3125
NCBI Accession:	NM_022555 , NP_072049
UniProt:	P13762
Pathways:	TCR Signaling , Positive Regulation of Peptide Hormone Secretion , Production of Molecular Mediator of Immune Response , 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: 266 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 %

Handling

	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 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

