

Datasheet: VPA00443KT

Description:	HLA-DQA2 ANTIBODY WITH CONTROL LYSATE
Specificity:	HLA-DQA2
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid.
Preparation	20µl Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Immunogen	KLH conjugated synthetic peptide corresponding to amino acid 39-66 of human HLA-DQA2
External Database Links	<p>UniProt: P01906 Related reagents</p> <p>Entrez Gene: 3118 HLA-DQA2 Related reagents</p>
Synonyms	HLA-DXA
Specificity	Rabbit anti Human HLA-DQA2 antibody recognizes the HLA class II histocompatibility antigen

DQ alpha 2 chain, also known as DX alpha chain, HLA class II histocompatibility antigen, DQ (6) alpha chain or MHC class II DQA2.

HLA-DQA2 belongs to the HLA class II alpha chain family. The HLA-DQA2 gene encoded protein forms a heterodimer with a class II beta chain. It is located in intracellular vesicles and plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (B-cells, dendritic cells, macrophages) and are used to present antigenic peptides on the cell surface to be recognized by CD4 T-cells (provided by RefSeq, Jun 2010).

Rabbit anti Human HLA-DQA2 antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti HLA-DQA2 detects a band of approximately 28 kDa in Raji cell lysates.
-------------------------	--

Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
-----------------------------	---

Lysate Composition	400µg Raji lysate lyophilized in RIPA buffer.
---------------------------	---

Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
------------------------------	---

Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
----------------	---

Guarantee	As supplied, 12 months from date of despatch.
------------------	---

Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
-------------------------	--

Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
--------------------------------------	--

Regulatory	For research purposes only.
-------------------	-----------------------------

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M344092:190111'

