

Product datasheet

Anti-HLA-C antibody [EPR26121-73] ab307361

Recombinant RabMAb

9 Images

Overview

Product name	Anti-HLA-C antibody [EPR26121-73]
Description	Rabbit monoclonal [EPR26121-73] to HLA-C
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat transfected with scrambled siRNA control, Jurkat transfected with siRNA specifically targeting HLA-C whole cell lysate, A375, HeLa, Human lymphoma, HL-60, Human colon, and HEK-293T IHC-P: Human tonsil, Human NKT lymphoma and Human colon tissues. IP: Jurkat cell.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR26121-73

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab307361 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

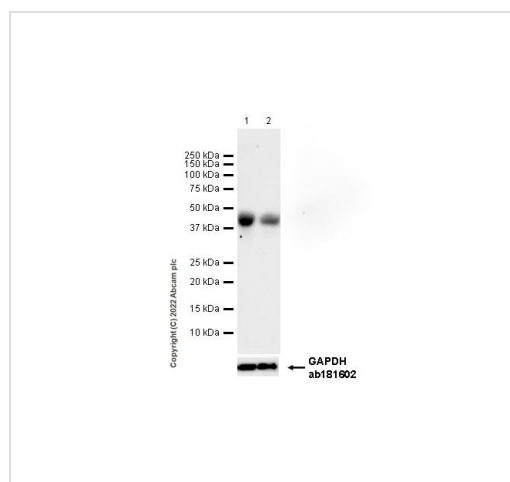
Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 41 kDa.
IP		1/30.
IHC-P		1/4000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes

Is unsuitable for Flow Cyt or ICC/IF.

Target

Images



Western blot - Anti-HLA-C antibody [EPR26121-73] (ab307361)

All lanes : Anti-HLA-C antibody [EPR26121-73] (ab307361) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) transfected with scrambled siRNA control whole cell lysate 20 µg

Lane 2 : Jurkat transfected with siRNA specifically targeting HLA-C whole cell lysate 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

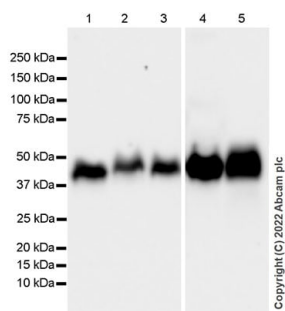
Predicted band size: 41 kDa

Observed band size: 41 kDa

Exposure time: 26 seconds

Blocking and diluting buffer and concentration: 5% NFD/MTBST

Exposure time: 26 seconds



Western blot - Anti-HLA-C antibody [EPR26121-73] (ab307361)

All lanes : Anti-HLA-C antibody [EPR26121-73] (ab307361) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate 80 µg

Lane 2 : A375 (human malignant melanoma epithelial cell) whole cell lysate 80 µg

Lane 3 : HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate 80 µg

Lane 4 : Human lymphoma tissue lysate 80 µg

Lane 5 : HL-60 (human acute promyelocytic leukemia promyeloblast) whole cell lysate 80 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

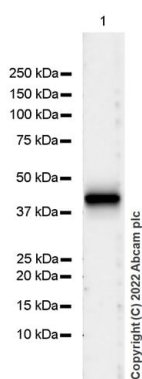
Predicted band size: 41 kDa

Observed band size: 41 kDa

Exposure time: 15 seconds

Blocking and diluting buffer and concentration: 5% NFDm/TBST

Exposure time: 15 seconds



Western blot - Anti-CD5 antibody [EPR26532-12] (ab307261)

Anti-CD5 antibody [EPR26532-12] - BSA and Azide free (Detector) ([ab307261](#)) at 1/1000 dilution + Human colon tissue lysate 40 µg

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

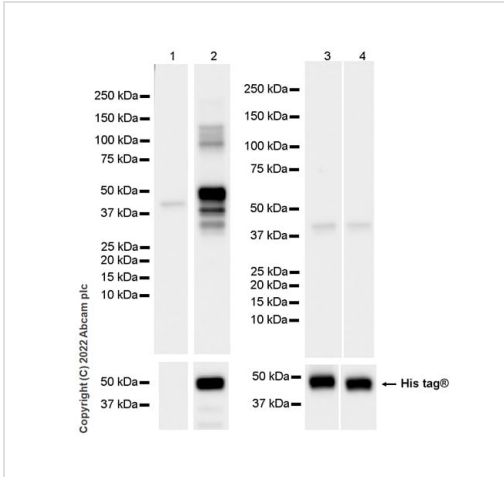
Predicted band size: 41 kDa

Observed band size: 41 kDa

Exposure time: 7 seconds

Blocking and diluting buffer and concentration: 5% NFDm/TBST

Exposure time: 7.25 seconds



Western blot - Anti-HLA-C antibody [EPR26121-73] (ab307361)

All lanes : Anti-HLA-C antibody [EPR26121-73] (ab307361) at 1/1000 dilution

Lane 1 : HEK-293T cells transfected with an empty vector containing a his tag whole cell lysate 20 µg

Lane 2 : HEK-293T cells transfected with a human HLA-C expression vector containing a his tag whole cell lysate 20 µg

Lane 3 : HEK-293T cells transfected with a human HLA-A expression vector containing a his tag whole cell lysate 20 µg

Lane 4 : HEK-293T cells transfected with a human HLA-B expression vector containing a his tag whole cell lysate 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

Predicted band size: 41 kDa

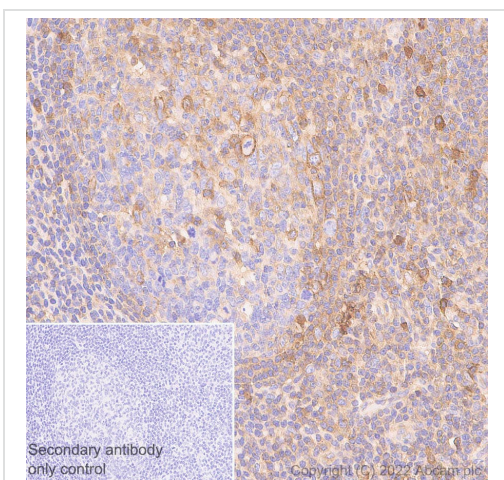
Observed band size: 41 kDa

Exposure time: 3 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST

This antibody does not cross-react with human HLA-A and HLA-B.

Exposure time: 3 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA-C antibody [EPR26121-73] (ab307361)

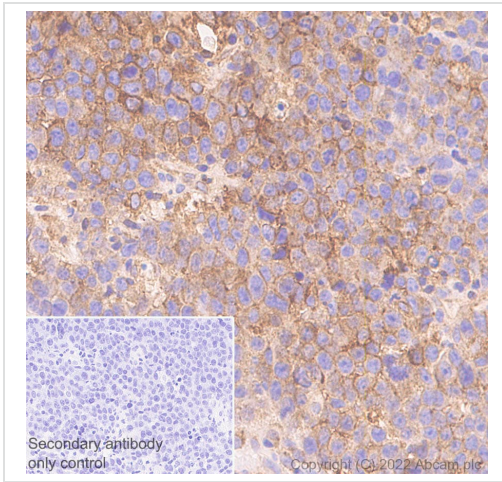
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling HLA-C with ab307361 at 1/4000 (0.126 µg/ml)

followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human tonsil (PMID: 17008885).

The section was incubated with ab307361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 10 mins

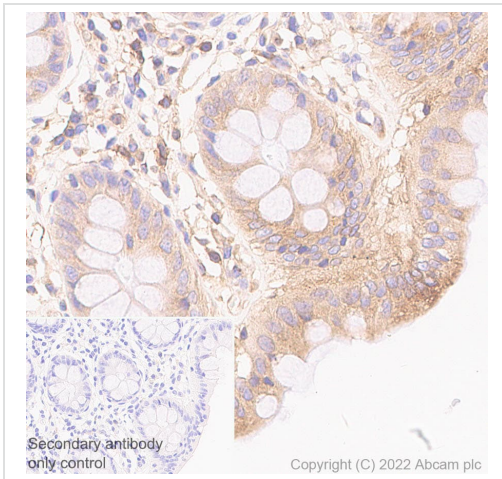


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA-C antibody [EPR26121-73] (ab307361)

Immunohistochemical analysis of paraffin-embedded Human NKT lymphoma tissue labeling HLA-C with ab307361 at 1/4000 (0.126 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on NKT lymphoma. The section was incubated with ab307361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 10 mins

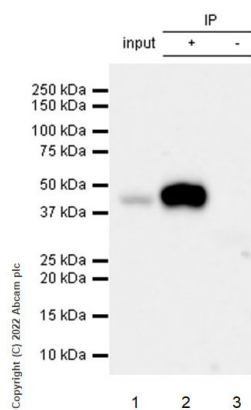


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA-C antibody [EPR26121-73] (ab307361)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling HLA-C with ab307361 at 1/4000 (0.126 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human colon (PMID: 17008885). The section was incubated with ab307361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 10 mins



Immunoprecipitation - Anti-HLA-C antibody
[EPR26121-73] (ab307361)

HLA-C was immunoprecipitated from 0.35 mg Jurkat (human T cell leukemia T lymphocyte) whole cell lysate 5 ug with ab307361 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab307361 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Jurkat (human T cell leukemia T lymphocyte) whole cell lysate 5 ug

Lane 2: abab307361 IP in Jurkat whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab307361 in Jurkat whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 10 seconds

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-HLA-C antibody [EPR26121-73] (ab307361)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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