

Product datasheet

Anti-2B4 antibody [EPR23692-33] ab256370

Recombinant RabMAb

[1 References](#) [5 Images](#)

Overview

Product name	Anti-2B4 antibody [EPR23692-33]
Description	Rabbit monoclonal [EPR23692-33] to 2B4
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human spleen tissue lysate. IHC-P: Human tonsil and non-Hodgkin's lymphoma tissue.
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	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23692-33
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab256370 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

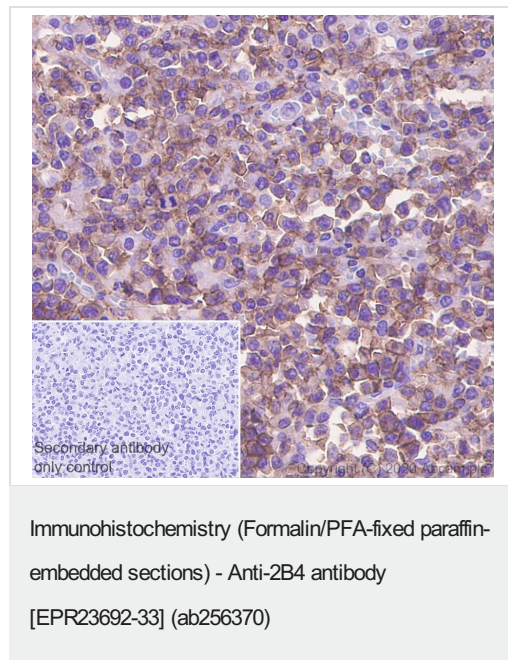
Application	Abreviews	Notes
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Predicted molecular weight: 42 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function	Modulate other receptor-ligand interactions to enhance leukocyte activation.
Tissue specificity	Expressed in spleen, PBL, followed by lung, liver, testis and small intestine. Expressed not only in NK cells, but also on monocytes and basophils.
Sequence similarities	Contains 2 Ig-like (immunoglobulin-like) domains.
Cellular localization	Membrane.

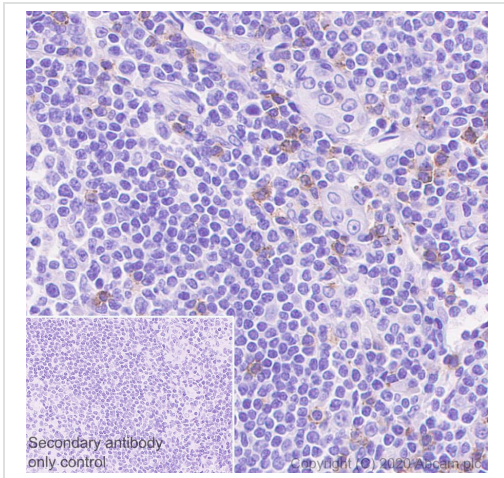
Images



Immunohistochemical analysis of paraffin-embedded human non-Hodgkin's lymphoma tissue labeling 2B4 with ab256370 at 1/50 (12.04 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining in human non-Hodgkin's lymphoma (PMID: 19499526). The section was incubated with ab256370 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 with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

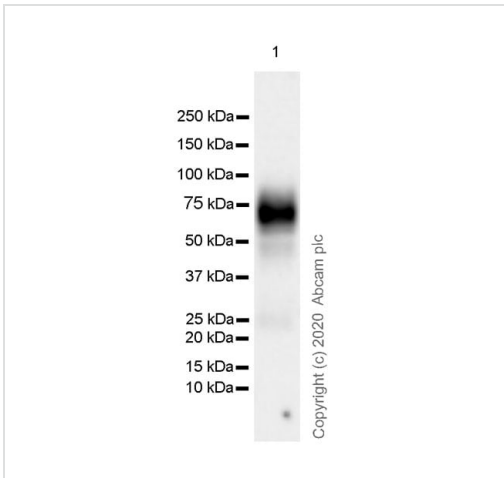


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-2B4 antibody [EPR23692-33] (ab256370)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling 2B4 with ab256370 at 1/50 (12.04 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining in human tonsil (PMID:19499526). The section was incubated with ab256370 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 with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Western blot - Anti-2B4 antibody [EPR23692-33] (ab256370)

Anti-2B4 antibody [EPR23692-33] (ab256370) at 1/1000 dilution + Human spleen tissue lysate at 20 µg

Secondary

VeriBlot for IP secondary antibody(HRP)(**ab131366**) at 1/1000 dilution

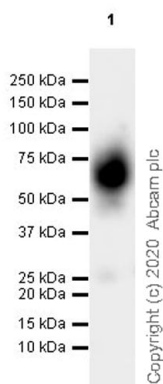
Predicted band size: 42 kDa

Observed band size: 70 kDa

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

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 48 seconds.



Western blot - Anti-2B4 antibody [EPR23692-33] (ab256370)

Anti-2B4 antibody [EPR23692-33] (ab256370) at 1/1000 dilution + KG-1a (human bone marrow myeloblast) whole cell lysate at 10 µg

Secondary

VeriBlot for IP secondary antibody(HRP)([ab131366](#)) at 1/5000 dilution

Predicted band size: 42 kDa





Observed band size: 70 kDa

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

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 24 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-2B4 antibody [EPR23692-33] (ab256370)

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

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