

Product datasheet

Anti-FYB antibody [EPR2547Y] ab76006

Recombinant RabMAb

★★★★★ 1 Abreviews 1 References 2 Images

Overview

Product name	Anti-FYB antibody [EPR2547Y]
Description	Rabbit monoclonal [EPR2547Y] to FYB
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human FYB aa 700-800 (C terminal). The exact sequence is proprietary.
Positive control	TF-1 lysate. Human tonsil tissue.
General notes	Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR2547Y
Isotype IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab76006** 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	★★★★★	
IHC-P		
ICC		

Application notes ICC: 1/100 - 1/250.
IHC-P: 1/100 - 1/250. Perform heat mediated antigen retrieval using 0.01M Sodium Citrate Buffer, pH 6.0 before commencing with IHC staining protocol.
WB: 1/500. Predicted molecular weight: 85 kDa.

Is unsuitable for Flow Cyt or IP.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function Acts as an adapter protein of the FYN and LCP2 signaling cascades in T cells. Modulates the expression of interleukin-2 (IL-2). Involved in platelet activation. Prevents the degradation of SKAP1 and SKAP2.

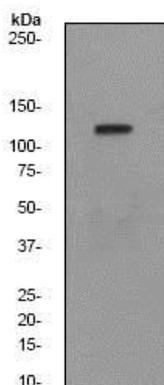
Tissue specificity Expressed in hematopoietic tissues such as myeloid and T-cells, spleen and thymus. Not expressed in B-cells, nor in non-lymphoid tissues.

Sequence similarities Contains 1 SH3 domain.

Post-translational modifications T-cell receptor ligation leads to increased tyrosine phosphorylation.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-FYB antibody [EPR2547Y] (ab76006)

Anti-FYB antibody [EPR2547Y] (ab76006) at 1/500 dilution + TF-1 lysate at 10 µg

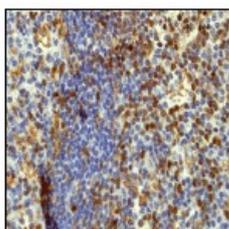
Secondary

Goat anti-rabbit HRP at 1/1000 dilution

Predicted band size: 85 kDa

Observed band size: 120 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FYB antibody [EPR2547Y] (ab76006)

ab76006, at 1/100 dilution, staining FYB in human tonsil by immunohistochemistry using paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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

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