

## Product datasheet

# Anti-Vitamin D Binding protein antibody [EP2923Y] ab81307

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Vitamin D Binding protein antibody [EP2923Y]
<b>Description</b>	Rabbit monoclonal [EP2923Y] to Vitamin D Binding protein
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human Vitamin D Binding protein aa 250-350. The exact sequence is proprietary.
<b>Positive control</b>	Human liver tissue. Human plasma.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP2923Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab81307 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
<b>WB</b>	★★★★★ (1)	1/5000 - 1/20000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
<b>ICC/IF</b>		Use at an assay dependent concentration.

**Application notes** Is unsuitable for Flow Cyt or IP.

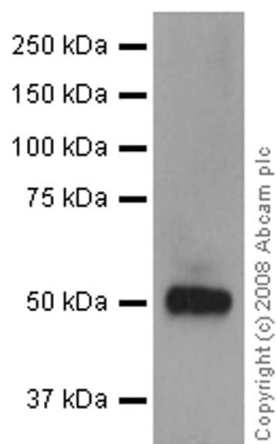
## Target

**Function** Multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid, and urine and on the surface of many cell types. In plasma, it carries the vitamin D sterols and prevents polymerization of actin by binding its monomers. DBP associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes.

**Sequence similarities** Belongs to the ALB/AFP/VDB family.  
Contains 3 albumin domains.

**Cellular localization** Secreted.

## Images



Western blot - Anti-Vitamin D Binding protein antibody [EP2923Y] (ab81307)

Anti-Vitamin D Binding protein antibody [EP2923Y] (ab81307) at 1/20000 dilution + Human plasma lysate at 10 µg

**Secondary**

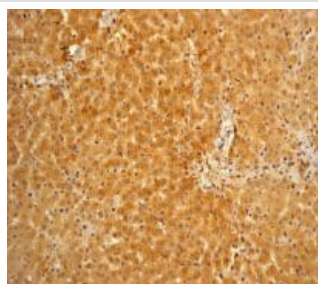
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/2000 dilution

**Predicted band size:** 53 kDa

**Observed band size:** 52 kDa

**Exposure time:** 3 minutes





Blocking and Diluting buffer 5% NFDM /TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vitamin D Binding protein antibody [EP2923Y] (ab81307)

Immunohistochemical analysis of paraffin-embedded human liver using ab81307 at a 1/100 dilution. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-Vitamin D Binding protein antibody [EP2923Y] (ab81307)

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

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