**Product datasheet**

**Anti-Vitamin D Binding protein antibody [EP2923Y]**

**ab81307**

**Product name**
Anti-Vitamin D Binding protein antibody [EP2923Y]

**Description**
Rabbit monoclonal [EP2923Y] to Vitamin D Binding protein

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, IHC-P, ICC/IF, Flow Cyt

**Species reactivity**
Reacts with: Human

**Immunogen**
Synthetic peptide within Human Vitamin D Binding protein aa 250-350. The exact sequence is proprietary.

**Positive control**
Human liver tissue. Human plasma.

**General notes**
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
pH: 7.20
Preservative: 0.05% Sodium azide
Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant

**Purity**
Tissue culture supernatant

**Clonality**
Monoclonal

**Clone number**
EP2923Y

**Isotype**
IgG

**Applications**

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1 Abreviews 2 References 2 Images
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td>1/5000 - 1/20000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.</td>
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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/250.</td>
<td></td>
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<tr>
<td>Flow Cyt</td>
<td>1/40. <strong>ab172730</strong> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
<td></td>
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</tbody>
</table>

**Application notes**

Is unsuitable for 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.

**Cellular localization**

Secreted.

**Images**

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

why is the actual band size different from the predicted?

**Exposure time:** 3 minutes

Blocking and Diluting buffer 5% NFDM /TBST
Immunohistochemical analysis of paraffin-embedded human liver using ab81307 at a 1/100 dilution.

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