Anti-Chitinase 3 like protein 3 antibody ab93034

**Product datasheet**

**Anti-Chitinase 3 like protein 3 antibody ab93034**

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- **Product name:** Anti-Chitinase 3 like protein 3 antibody
- **Species source:** Rabbit
- **Application:** WB, ICC/IF, IHC-FoFr
- **Immunogen:** Synthetic peptide corresponding to Human Chitinase 3 like protein 3 aa 350 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab107113)

**Performance**

- **Form:** Liquid
- **Storage instructions:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- **Buffer:** pH: 7.40  
  Preservative: 0.02% Sodium azide  
  Constituent: PBS

- **Purity:** Immunogen affinity purified
- **Clone:** Polyclonal
- **Isotype:** IgG

**Application**

Our Abpromise guarantee covers the use of **ab93034** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

This antibody gave a positive signal in Mouse bone marrow and spleen tissue lysates. It also gave a positive signal in RAW 246.7 cells in IF/ICC.
Chitinase-3-like protein 3 (Ym1) is a lectin that binds saccharides with a free amino group, such as glucosamine or galactosamine; binding to oligomeric saccharides is much stronger. It also binds chitin and heparin. This protein has been implicated in inflammation and allergy.

**Cellular localization**

Secreted

### Applications and Comments

<table>
<thead>
<tr>
<th>Application</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).</td>
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<tr>
<td>ICC/IF</td>
<td>Use a concentration of 10 µg/ml.</td>
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<tr>
<td>IHC-FoFr</td>
<td>Use at an assay dependent concentration. PubMed: 28754163</td>
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</tbody>
</table>

**Target**

Chitinase-3-like protein 3 (Ym1) is a lectin that binds saccharides with a free amino group, such as glucosamine or galactosamine; binding to oligomeric saccharides is much stronger. It also binds chitin and heparin. This protein has been implicated in inflammation and allergy.

### Immunocytochemistry/ Immunofluorescence - Anti-Chitinase 3 like protein 3 antibody (ab93034)

ICC/IF image of ab93034 stained RAW 246.7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab93034 10µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.
Western blot - Anti-Chitinase 3 like protein 3 antibody (ab93034)

All lanes: Anti-Chitinase 3 like protein 3 antibody (ab93034) at 1 µg/ml

Lane 1: Mouse Bone Marrow Tissue Lysate
Lane 2: Spleen (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 44 kDa
Observed band size: 44 kDa
Additional bands at: 26 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

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