

### Anti-TLR7 antibody [EPR2088(2)] ab124928

リコンビナント **RabMAb**

★★★★☆ **5 Abreviews** **14 References** 画像数 6

#### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-TLR7 antibody [EPR2088(2)]   |
| 製品の詳細        | Rabbit monoclonal [EPR2088(2)] to TLR7  |
| 由来種          | Rabbit  |
| アプリケーション     | <b>適用あり:</b> WB, IHC-P<br><b>適用なし:</b> Flow Cyt or ICC/IF   |
| 種交差性         | <b>交差種:</b> Human   |
| 免疫原          | Synthetic peptide within Human TLR7 aa 1000 to the C-terminus (C terminal). The exact sequence is proprietary.<br>Database link: <a href="#">Q9NYK1</a>   |
| ポジティブ・コントロール | WB: Raji, Daudi and Ramos cell lysates. IHC-P: Human tonsil tissue.   |
| 特記事項         | This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> .<br>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> .<br>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. |

#### 製品の特性

|                         |   |
|-------------------------|---|
| 製品の状態                   | Liquid  |
| 保存方法                    | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| 解離定数 (K <sub>D</sub> 値) | K <sub>D</sub> = 2.90 x 10 <sup>-11</sup> M   |





[Learn more about K<sub>D</sub>](#)

|        |   |
|--------|---|
| バッファー  | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS |
| 精製度    | Protein A purified  |
| ポリ/モノ  | モノクローナル   |
| クローン名  | EPR2088(2)  |
| アイソタイプ | IgG   |

## アプリケーション

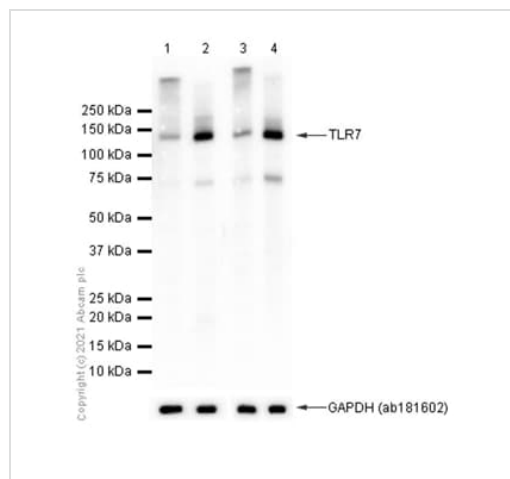
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab124928の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項   |
|----------|-----------|--|
| WB       | ★★★★★ (2) | 1/1000. Detects a band of approximately 140 kDa (predicted molecular weight: 121 kDa).<br><b>For unpurified use at 1/300.</b><br><b>To achieve desired WB results, do not to boil samples after lysis.</b> |
| IHC-P    | ★★★★★ (3) | 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.<br>See <a href="#">IHC antigen retrieval protocols</a> .<br><b>For unpurified use at 1/30.</b>                |

**追加情報**      Is unsuitable for Flow Cyt or ICC/IF.

## ターゲット情報

|       |  |
|-------|--|
| 機能    | Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. |
| 組織特異性 | Detected in brain, placenta, spleen, stomach, small intestine, lung and in plasmacytoid pre-dendritic cells.   |
| 配列類似性 | Belongs to the Toll-like receptor family.<br>Contains 27 LRR (leucine-rich) repeats.<br>Contains 1 TIR domain.   |
| 細胞内局在 | Endoplasmic reticulum membrane. Endosome. Lysosome. Cytoplasmic vesicle > phagosome. Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist.  |



Western blot - Anti-TLR7 antibody [EPR2088(2)] (ab124928)

**All lanes :** Anti-TLR7 antibody [EPR2088(2)] (ab124928) at 1/1000 dilution

**Lane 1 :** Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate (boiled)

**Lane 2 :** Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate (unboiled)

**Lane 3 :** Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate (boiled)

**Lane 4 :** Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate (unboiled)

Lysates/proteins at 15 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

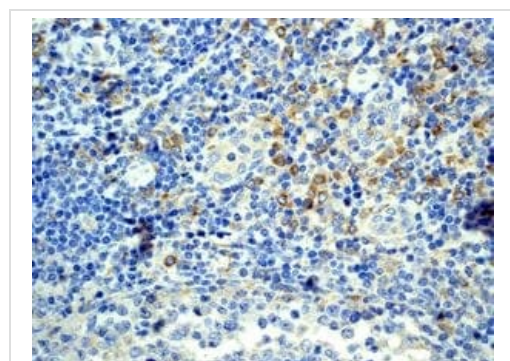
**Predicted band size:** 121 kDa

**Observed band size:** 140 kDa

**Exposure time:** 20 seconds

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

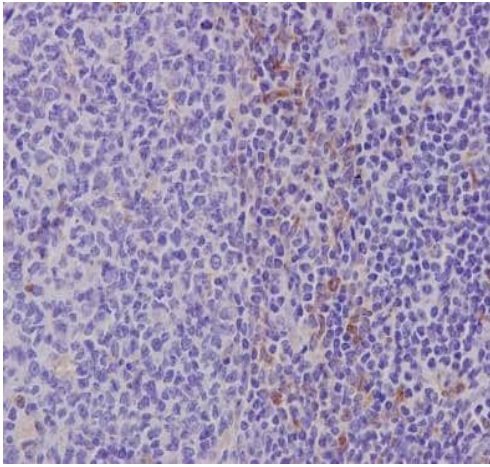
We recommend not boiling the samples after lysis to get desired WB results.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody [EPR2088(2)] (ab124928)

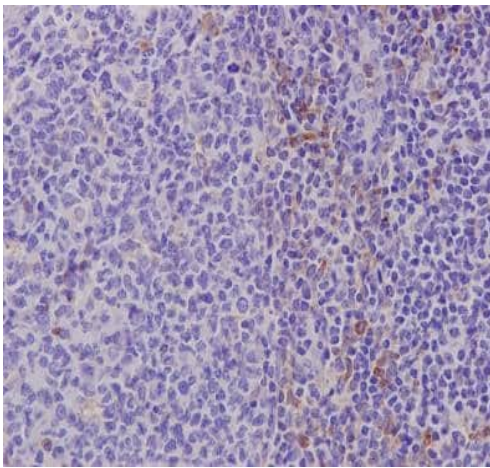
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TLR7 with unpurified ab124928 at 1/100.

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



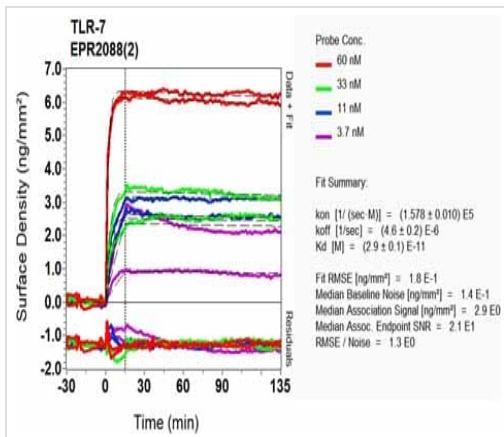
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody  
[EPR2088(2)] (ab124928)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TLR7 with purified ab124928 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody  
[EPR2088(2)] (ab124928)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TLR7 with unpurified ab124928 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with hematoxylin.



SPR Scanning - Anti-TLR7 antibody [EPR2088(2)]  
(ab124928)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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**Long-term and scalable supply**  
Recombinant technology



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Confirmed specificity



**Ethical standards compliant**  
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Anti-TLR7 antibody [EPR2088(2)] (ab124928)

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