

Anti-TLR7 antibody [EPR2088(2)] ab124928

重组 RabMAb

★★★★★ 5 Abreviews 14 References 6 图像

概述

产品名称	Anti-TLR7抗体[EPR2088(2)]
描述	兔单克隆抗体[EPR2088(2)] to TLR7
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human TLR7 aa 1000 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: Q9NYK1
阳性对照	WB: Raji, Daudi and Ramos cell lysates. IHC-P: Human tonsil tissue.
常规说明	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 . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
解离常数 (K _D)	K _D = 2.90 x 10 ⁻¹¹ M





[Learn more about K_D](#)

存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR2088(2)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab124928 于以下的经测试应用

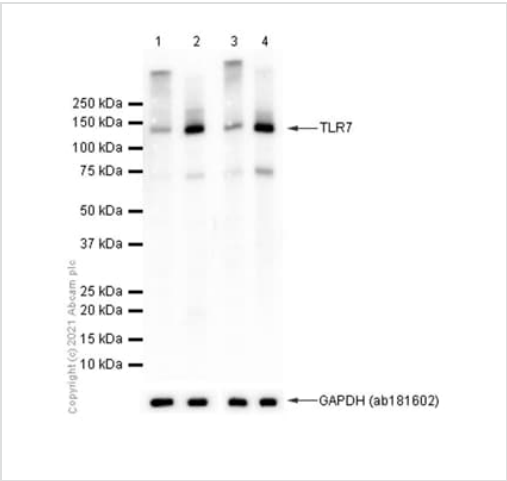
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB	★★★★★ (2)	1/1000. Detects a band of approximately 140 kDa (predicted molecular weight: 121 kDa). For unpurified use at 1/300. To achieve desired WB results, do not to boil samples after lysis.
IHC-P	★★★★★ (3)	1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols . For unpurified use at 1/30.

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能	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.
组织特异性	Detected in brain, placenta, spleen, stomach, small intestine, lung and in plasmacytoid pre-dendritic cells.
序列相似性	Belongs to the Toll-like receptor family. Contains 27 LRR (leucine-rich) repeats. Contains 1 TIR domain.
细胞定位	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

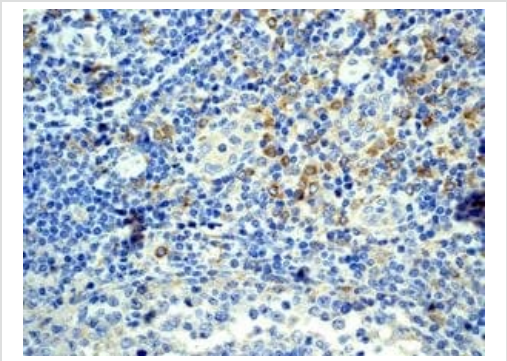
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 121 kDa
Observed band size: 140 kDa

Exposure time: 20 seconds

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

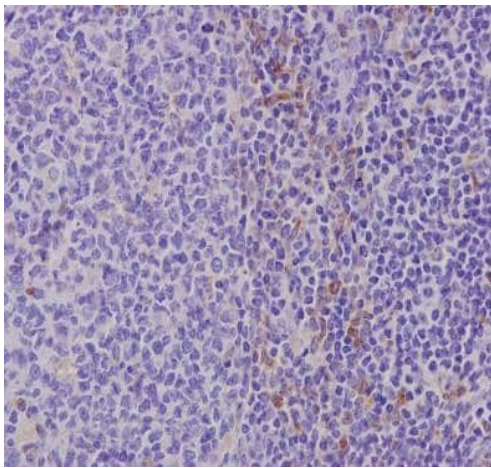
We recommend not boiling the samples after lysis to get desired WB results.



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

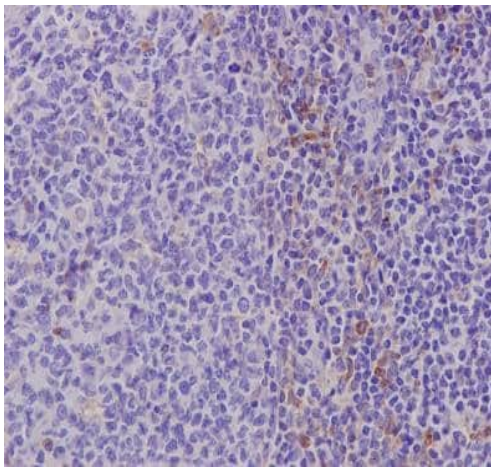
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TLR7 with unpurified ab124928 at 1/100.

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



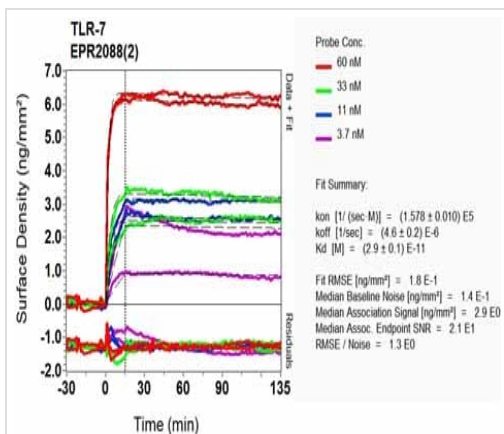
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody
[EPR2088(2)] (ab124928)

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.



OI-RD 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\$](#)

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



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



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

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