

Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free ab210403

重组 RabMAb

6 图像

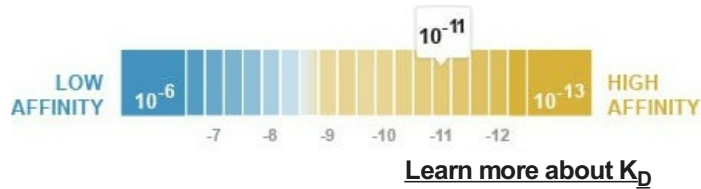
概述

产品名称	Anti-TLR7抗体[EPR2088(2)] - BSA and Azide free
描述	兔单克隆抗体[EPR2088(2)] to TLR7 - BSA and Azide free
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. This information is proprietary to Abcam and/or its suppliers.
常规说明	<p>ab210403 is the carrier-free version of ab124928.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p>

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. Do Not Freeze.
解离常数 (K_D)	$K_D = 2.90 \times 10^{-11}$ M



存储溶液	pH: 7.2 Constituent: PBS
无载体	是
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 ab210403 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		Use at an assay dependent concentration. Detects a band of approximately 140 kDa (predicted molecular weight: 121 kDa). To achieve desired WB results, do not to boil samples after lysis.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

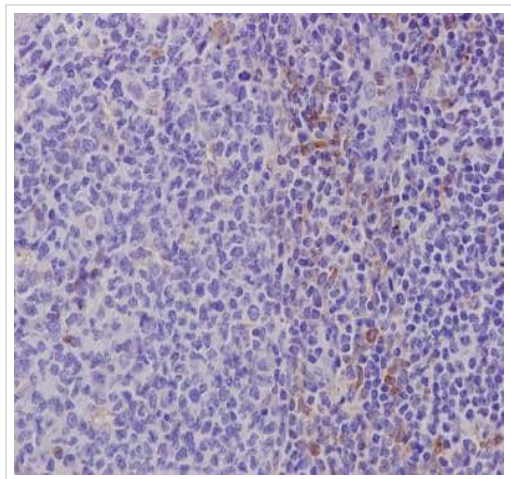
应用说明 Is unsuitable for Flow Cyt or ICC/IF.

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.
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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.

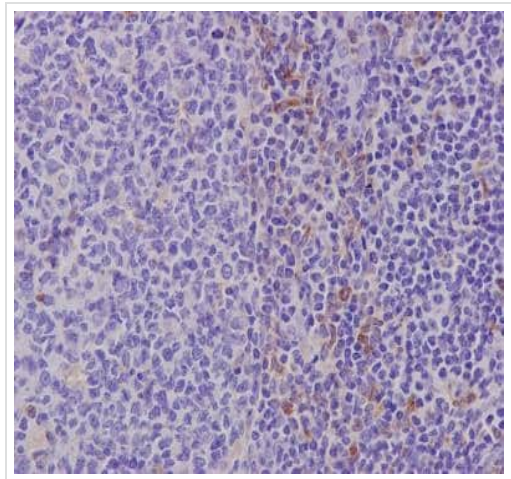
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free (ab210403)

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.

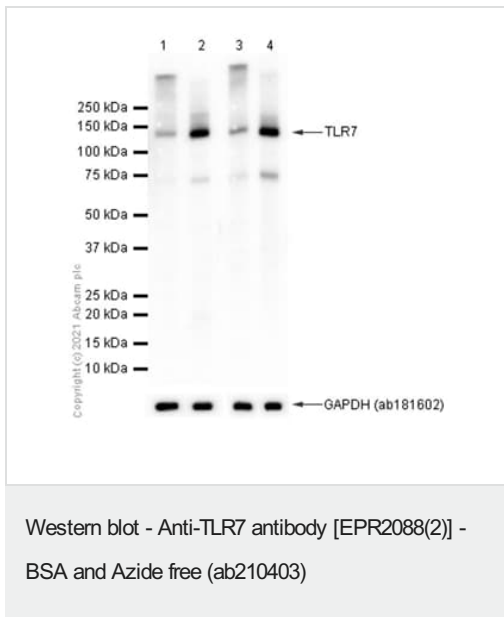
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124928**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free (ab210403)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**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

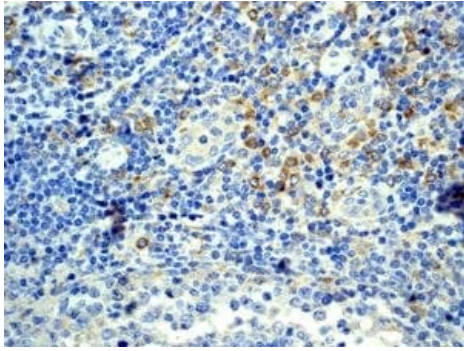
Observed band size: 140 kDa

Exposure time: 20 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124928](#)).

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

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

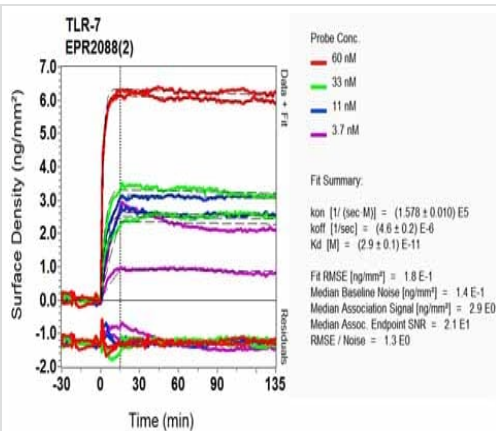


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free (ab210403)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124928**).

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



SPR Scanning - Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free (ab210403)

Equilibrium dissociation constant (K_D)

Learn more about K_D

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124928**).

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

Anti-TLR7 antibody [EPR2088(2)] - BSA and Azide free (ab210403)

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

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