

Product datasheet

Anti-TLR9 antibody [26C593] ab12121

★★★★☆ 2 Abreviews 11 References 2 图像

概述

产品名称	Anti-TLR9抗体[26C593]
描述	小鼠单克隆抗体[26C593] to TLR9
宿主	Mouse
特异性	This antibody is specific for TLR9.
经测试应用	适用于: IP, IHC-Fr, IHC-P, ICC, Flow Cyt, WB
种属反应性	与反应: Mouse, Rat, Human, Rhesus monkey
免疫原	Synthetic peptide conjugated to KLH, corresponding to amino acids 268-284 of TLR9.
阳性对照	Human PBMC extracts. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: HCT116.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	Protein G purified
纯化说明	Affinity purified.
克隆	单克隆
克隆编号	26C593
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab12121** in the following tested applications.

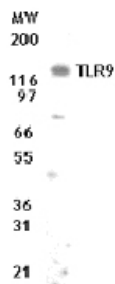
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IP		Use at an assay dependent concentration. PubMed: 21665946
IHC-Fr		Use a concentration of 10 - 20 µg/ml.
IHC-P	★★★★☆	Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 120 kDa (predicted molecular weight: 117 kDa). For optimal results, primary antibody incubations should be performed at room temperature.

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. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
组织特异性	Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.
序列相似性	Belongs to the Toll-like receptor family. Contains 26 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.

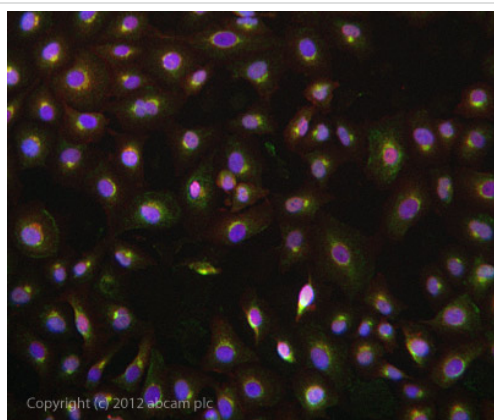
图片



Western blot - TLR9 antibody [26C593] (ab12121)

TLR9 detection by Western blot. The analysis of extracts from human PBMC by using ab12121 at a dilution of 2 µg/ml.

TLR9 detection by Western blot. The analysis of extracts from human PBMC by using ab12121 at a dilution of 2 µg/ml.



Immunocytochemistry/ Immunofluorescence - Anti-TLR9 antibody [26C593] (ab12121)

ab12121 stained HCT116 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 ab12121 at 10µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- mouse (ab96879) IgG (H+L) used at a 1/1000 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.

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