



碧云天生物技术/Beyotime Biotechnology
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 网址: http://www.beyotime.com

TLR1/Toll-like Receptor 1 Rabbit Polyclonal Antibody

| 产品编号 | 产品名称 | 包装 |
|--------|--|------|
| AF8178 | TLR1/Toll-like Receptor 1 Rabbit Polyclonal Antibody | 50μl |

产品简介:

| 来源 | 用途 | 交叉反应性 | 理论分子量 | 实际分子量 |
|--------|--------|---------|-------|--------|
| Rabbit | WB, IF | H, M, R | 90kDa | 100kDa |

WB, Western blot; IP, Immunoprecipitation; IF, Immunofluorescence; IHC, Immunohistochemistry; ICC, Immunocytochemistry; FC, Flow Cytometry; ChIP, Chromatin Immunoprecipitation Assay; ChIP-seq, ChIP-sequencing.

H, Human; M, Mouse; R, Rat; C, Chicken; Cw, Cow; Dg, Dog; Gp, Guinea pig; Hm, Hamster; Hr, Horse; Mk, Monkey; Pg, Pig; Rb, Rabbit; S, Sheep; Z, Zebrafish; All, all species expected.

- 配套提供了 Western 一抗稀释液, 可以用于 Western 检测或其它适当用途时的一抗稀释。
- 建议抗体使用时的稀释比例如下(实际使用时需根据抗原水平的高低作适当调整):

| WB | IP | IF | IHC | ICC | FC | ChIP | ChIP-seq |
|--------------|----|------------|-----|-----|----|------|----------|
| 1:500-1:2000 | - | 1:50-1:200 | - | - | - | - | - |

- 抗体详细信息如下:

| About this Antibody | |
|---------------------|---|
| Name | TLR1/Toll-like Receptor 1 Rabbit Polyclonal Antibody |
| Category | Rabbit Polyclonal Antibody (pAb); Primary antibody |
| Isotype | IgG |
| Purification method | Affinity purification |
| Positive samples | Mouse spleen, Mouse thymus, Mouse small intestine, Rat spleen, Rat thymus |
| Cellular location | Cell membrane, Cytoplasmic vesicle, Single-pass type I membrane protein, phagosome membrane |
| Customer validation | - |
| About the Immunogen | |
| Immunogen | Recombinant fusion protein of human TLR1 (NP_003254.2). |
| Sequence | DRSKNGLIHVPKDLSQKTTILNISQNYISELWTSIDLKSLRILIIISHNRIQYLDISVFKFNQELEYL DLSHNKLVKISCHPTVNLKHLDLDFNAFDALPICKEFGNMSQLKFLGLSTHLEKSSVLPPIAHLNIS KVLVLGGETYGEKEDPEGLQDFNTESLHIVFPTNKEFHFDVSVKTVANLELSNIKCVLEDNKCS YFLSILAKLQTNPKLSNLTNNIETTWSFIRILQLVWHTTVWYFSISNVKLGQQLDFR |
| Gene ID | 7096 |
| Swiss Prot | Q15399 |
| Synonyms | TLR1; CD281; TIL; TIL.LPRS5; rsc786; TIL.LPRS5; toll-like receptor 1 |
| Category | Toll-Like Receptor Signaling; NF-κB Signaling |
| Background | Members of the Toll-like receptor (TLR) family, named for the closely related Toll receptor in Drosophila, play a pivotal role in innate immune responses. TLRs recognize conserved motifs found in various pathogens and mediate defense responses. Triggering of the TLR pathway leads to the activation of NF-κB and subsequent regulation of immune and inflammatory genes. The TLRs and members of the IL-1 receptor family share a conserved stretch of approximately 200 amino acids known as the Toll/Interleukin-1 receptor (TIR) domain (1). Upon activation, TLRs associate with a number of cytoplasmic adaptor proteins containing TIR domains, including myeloid differentiation factor 88 (MyD88), MyD88-adaptor-like/TIR-associated protein (MAL/TIRAP), Toll-receptor-associated activator of interferon (TRIF), and Toll-receptor-associated molecule (TRAM). This association leads to the recruitment and activation of IRAK1 and IRAK4, which form a complex with TRAF6 to activate TAK1 and IKK. Activation of IKK leads to the degradation of IκB, which normally maintains NF-κB in an inactive state by sequestering it in the cytoplasm. Toll-like receptor expression is highest in peripheral blood leukocytes, monocytes, macrophages, though |

| | |
|--|---|
| | TLR1 expression may be less restricted than other family members. TLR1 associates with TLR2 to cooperatively mediate immune responses to bacterial lipoproteins and lead to NF- κ B activation. TLR1 shows highest homology to TLR6, which shares 69% sequence identity. |
|--|---|

包装清单:

| 产品编号 | 产品名称 | 包装 |
|--------|--|------------|
| AF8178 | TLR1/Toll-like Receptor 1 Rabbit Polyclonal Antibody | 50 μ l |
| AZ050 | Western一抗稀释液 | 50ml |
| — | 说明书 | 1份 |

保存条件:

TLR1/Toll-like Receptor 1 Rabbit Polyclonal Antibody -20 $^{\circ}$ C保存, Western一抗稀释液-20 $^{\circ}$ C或4 $^{\circ}$ C保存, 一年有效。Western一抗稀释液优先推荐4 $^{\circ}$ C保存, 长期不使用可以考虑-20 $^{\circ}$ C保存, 但冻融可能会导致出现轻微的浑浊和少量不溶物。

注意事项:

- 如果本抗体用于Western blot (WB)、免疫荧光(IF)、免疫细胞化学(ICC)等实验, 请注意回收使用过的稀释抗体。回收的抗体通常至少可以重复使用5-10次。稀释后的抗体, 包括已经使用过的稀释抗体, 请4 $^{\circ}$ C保存。
- 回收后重复使用的抗体, 使用方法同新鲜稀释的抗体。如果在重复使用过程中发现抗体出现轻微混浊现象, 可以10,000g离心1-3分钟, 取上清用于后续检测。如果回收的抗体出现明显的絮状物或长霉长菌等情况, 则可以考虑废弃该抗体。
- 提供的Western一抗稀释液也可以用于免疫荧光(IF)、免疫组化(IHC)、免疫细胞化学(ICC)等适当用途。如果希望获得最佳的检测效果, 请考虑使用上述检测专用的一抗稀释液。
- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

使用说明:

请根据抗体的实际用途选择相应的使用方法。

1. Western检测:

- 按照推荐的稀释比例用碧云天提供的Western一抗稀释液稀释抗体。
- 把经过封闭的蛋白膜与稀释好的一抗4 $^{\circ}$ C缓慢摇动过夜或室温缓慢摇动2小时, 确保稀释的抗体至少能在摇动的瞬间覆盖蛋白膜。
- 回收稀释的一抗, 4 $^{\circ}$ C保存以备下次继续使用。
- 按照Western的实验步骤进行后续的洗涤、二抗孵育、洗涤和检测等操作。具体操作可以参考如下网页:
<http://www.beyotime.com/support/western.htm>

2. 免疫染色:

可以使用碧云天生产的免疫染色一抗稀释液(P0103)稀释抗体, 使用后注意回收稀释好的一抗, 具体操作可以参考如下网页: <http://www.beyotime.com/support/immunol-staining.htm>

3. 其它实验操作请自行参考适当的protocol进行。

4. 代表性图片:

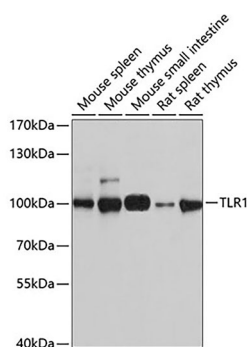


Fig. 1. Western blot analysis of extracts of various cell lines, using TLR1 antibody at 1:1000 dilution. Secondary antibody: HRP-labeled Goat Anti-Rabbit IgG(H+L) (A0208) at 1:1000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: QuickBlockTM Blocking Buffer (P0231). Detection: BeyoECL Star (P0018A). Exposure time: 1s.

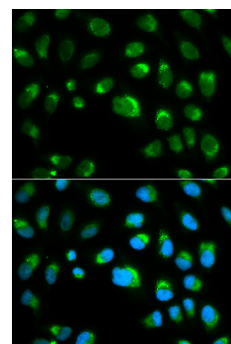


Fig. 2. Immunofluorescence analysis of HeLa cells using TLR1 antibody. Blue: DAPI for nuclear staining.

相关产品:

| 产品编号 | 产品名称 | 包装 |
|-------|--|----|
| E6001 | MiniProGel TM 蛋白制胶与电泳系统(4胶) | 1套 |

| | | |
|---------------|-----------------------------------|-------------|
| E6005 | MiniProGel™蛋白制胶与电泳系统(2胶) | 1套 |
| E6050 | MiniBlot™蛋白转膜系统 | 1套 |
| E6150 | MiniProGel™蛋白制胶、电泳与转膜系统(2胶/2膜) | 1套 |
| E6155 | MiniProGel™蛋白制胶、电泳与转膜系统(4胶/2膜) | 1套 |
| E6159 | MiniProGel™蛋白制胶、电泳与转膜系统(4胶/4膜) | 1套 |
| E6080 | BeyoPower™中电流电源(300V/600mA/100W) | 1套 |
| E6085 | BeyoPower™高电流电源(300V/2000mA/200W) | 1套 |
| E6600 | TissueMaster™手持式组织研磨仪 | 1套 |
| EI600 | BeyoImager™ 600化学发光成像系统 | 1套 |
| FFP24 | PVDF膜(进口分装, 6.6×8.5cm, 0.2μm) | 20张/包装 |
| FFP32 | PVDF膜(进口分装, 6.6×8.5cm, 0.45μm) | 20张/包装 |
| FFP51 | 转印滤纸(7.5×10cm) | 100张/包装 |
| FFX050-FFX055 | Western洗膜盒 | 1个/包装 |
| P0006 | Bradford蛋白浓度测定试剂盒 | 1000次 |
| P0012 | BCA蛋白浓度测定试剂盒 | 500次 |
| P0012A | SDS-PAGE凝胶配制试剂盒 | 可制30-50块胶 |
| P0012AC | SDS-PAGE凝胶快速配制试剂盒 | 可制30-50块胶 |
| P0013 | Western及IP细胞裂解液 | 100ml |
| P0013B-P0013D | RIPA裂解液(强、中、弱) | 100ml |
| P0014A/P0014B | SDS-PAGE电泳液(Tris-Gly, Powder) | 1L/10L |
| P0014C/P0014D | SDS-PAGE电泳液(Tris-Gly, 10X) | 100ml/500ml |
| P0015/P0015L | SDS-PAGE蛋白上样缓冲液(5X) | 2ml/15ml |
| P0015F | SDS-PAGE蛋白上样缓冲液(6X) | 2ml |
| P0017F | BeyoBlue™考马斯亮蓝超快染色液 | 250ml |
| P0018A | BeyoECL Star (特超敏ECL化学发光试剂盒) | 100ml/500ml |
| P0018F | BeyoECL Moon (极超敏ECL化学发光试剂盒) | 100ml/500ml |
| P0018S/P0018M | BeyoECL Plus (超敏ECL化学发光试剂盒) | 100ml/500ml |
| P0021A | Western转膜液 | 1L |
| P0021S | PVDF膜浸润活化液 | 250ml |
| P0022 | 丽春红染色液 | 120ml |
| P0023A | Western一抗稀释液 | 100ml/500ml |
| P0023B | Western封闭液 | 100ml/500ml |
| P0023C | Western洗涤液 | 250ml |
| P0023D | Western二抗稀释液 | 100ml/500ml |
| P0025 | Western一抗二抗去除液 | 250ml |
| P0059 | Recombinant 16-Tag Protein | 200μl/1ml |
| P0066 | 预染蛋白质分子量标准(19-117kD) | 200μl |
| P0068 | 彩色预染蛋白质分子量标准(10-180kD) | 200μl |
| P0071 | BeyoColor™彩色预染蛋白分子量标准(6.5-270kD) | 200μl |
| P0075 | BeyoColor™彩色预染蛋白分子量标准(10-170kD) | 200μl |
| P0078 | BeyoColor™彩色预染蛋白分子量标准(15-120kD) | 200μl |
| P0095 | 免疫染色通透液(Saponin) | 100ml/500ml |
| P0096 | 免疫染色通透液(Triton X-100) | 100ml/500ml |
| P0097 | 免疫染色强力通透液 | 100ml/500ml |
| P0098 | 免疫染色固定液 | 100ml/500ml |
| P0099 | 4%多聚甲醛固定液 | 100ml/500ml |
| P0102 | 免疫染色封闭液 | 100ml |
| P0103 | 免疫染色一抗稀释液 | 100ml |
| P0106 | 免疫染色洗涤液 | 250ml |
| P0108 | 免疫荧光染色二抗稀释液 | 100ml |

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|-------------|--|------------------|
| P0220-P0235 | Quickblock™封闭液 | 100ml |
| P0252 | QuickBlock™ Western封闭液 | 100ml/500ml |
| P0256 | QuickBlock™ Western一抗稀释液 | 100ml/500ml |
| P0258 | QuickBlock™ Western二抗稀释液 | 100ml/500ml |
| P0260 | QuickBlock™免疫染色封闭液 | 100ml |
| P0262 | QuickBlock™免疫染色一抗稀释液 | 100ml |
| P0265 | QuickBlock™免疫荧光染色二抗稀释液 | 100ml |
| P0267 | QuickBlock™免疫组化染色二抗稀释液 | 100ml |
| P0280 | InstantView™ SDS-PAGE蛋白染色及上样缓冲液(5X) | 1ml |
| P0050-P0058 | BeyoGel™ SDS-PAGE预制胶(Tris-Gly, 12孔) | 10块/50块 |
| P0448-P0472 | BeyoGel™ Plus PAGE预制胶(Tris-Gly, 10孔/15孔) | 10块/50块 |
| P0501-P0528 | BeyoGel™ Plus PAGE预制胶(Hepes, 10孔/15孔) | 10块/50块 |
| P0552 | BeyoGel™ Plus SDS-PAGE Hepes电泳液(20X) | 100ml/500ml |
| P0670-P0678 | SDS-PAGE下层胶预混液 | 250ml/500ml |
| P0683 | SDS-PAGE上层胶预混液 | 250ml/500ml |
| P0686-P0695 | SDS-PAGE凝胶超快速配制试剂盒 | 可制30-50块胶 |
| P1005-P1031 | 蛋白酶抑制剂混合物(50X/100X) | 1ml/5ml |
| P1045-P1066 | 蛋白酶磷酸酶抑制剂混合物(50X) | 1ml/2ml/5ml/10ml |
| P1081-P1097 | 磷酸酶抑制剂混合物(50X) | 2ml/10ml |
| P1112/P1113 | 去乙酰化酶抑制剂混合物(100X) | 1ml/5ml |
| R0121 | AllProtect™动物组织核酸、蛋白稳定保存液 | 25ml/100ml |

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