



碧云天生物技术/Beyotime Biotechnology
 订货热线: 400-168-3301或800-8283301
 订货e-mail: order@beyotime.com
 技术咨询: info@beyotime.com
 网址: http://www.beyotime.com

THBS1 Rabbit Polyclonal Antibody

| 产品编号 | 产品名称 | 包装 |
|--------|----------------------------------|------|
| AF8154 | THBS1 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 | 120/129kDa | 150kDa |

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 | THBS1 Rabbit Polyclonal Antibody |
| Category | Rabbit Polyclonal Antibody (pAb); Primary antibody |
| Isotype | IgG |
| Purification method | Affinity purification |
| Positive samples | LO2, A-549, Mouse liver |
| Cellular location | Endoplasmic reticulum, Sarcoplasmic reticulum |
| Customer validation | WB (Human) |
| About the Immunogen | |
| Immunogen | Recombinant fusion protein of human THBS1 (NP_003237.2). |
| Sequence | DAVRAEKGFLLLASLRQMKKTRGTLLALERKDHSGQVFSVVSNGKAGTLDLSLTVQGKQHVVS VEEALLATGQWKSITLQVQEDRAQLYIDCEKMENAELDVPIQSVFTRDLASIALRLRIAKGGVNDN FQGVLQNVRFVFGTTPEDILRNKGCSSSTSLLTLDNNVVNGSSPAIRTNYIGHKTKDLQAICGISC DELSSMVLELRGLRITIVTTLQDSIRKVTENKELANELRRPPLCYHNGVQYRNNEEWTV |
| Gene ID | 7057 |
| Swiss Prot | P07996 |
| Synonyms | THBS1; THBS; THBS-1; TSP; TSP-1; TSP1; thrombospondin-1 |
| Category | Adherens Junction Dynamics; TGF-β Signaling; NF-κB Signaling |
| Background | The adhesive glycoprotein thrombospondin-1 (THBS1, TSP1) localizes to the extracellular matrix (ECM) and mediates interactions between cells and the ECM and among cells. Thrombospondin-1 is a multi-domain, glycosylated protein that interacts with a wide variety of extracellular targets, including matrix metalloproteinases (MMPs), collagens, cell receptors, growth factors, and cytokines. The protein structure of THBS1 includes an amino-terminal laminin G-like domain, a von Willebrand factor-binding domain, and multiple thrombospondin (TSP) repeated sequences designated as type I, type II, or type III repeats. Each thrombospondin domain interacts with a distinct type of cell surface ligands or protein targets. The amino-terminal domain interacts with aggrecan, heparin, and integrin proteins. Type I TSP repeats interact with MMPs and CD36, while carboxy-terminal repeats bind the thrombospondin receptor CD47. Through these interactions, THBS1 exerts diverse effects on different signaling pathways, such as VEGF receptor/NO signaling, TGFβ signaling, and the NF-κB pathway. Thrombospondin-1 is an important regulator of many biological processes, including cell adhesion/migration, apoptosis, angiogenesis, inflammation, vascular function, and cancer development. The activity of thrombospondin-1 |

is mainly regulated by extracellular proteases. The metalloproteinase ADAMTS1 cleaves thrombospondin, resulting in the release of peptides with anti-angiogenic properties. Elastase and plasmin proteases degrade the THBS1 protein and down regulate its activity. As THBS1 is an important protein inhibitor of angiogenesis, the development of thrombospondin-based compounds and their use in therapeutic studies may provide a beneficial approach to the treatment of cancer.

包装清单:

| 产品编号 | 产品名称 | 包装 |
|--------|----------------------------------|------|
| AF8154 | THBS1 Rabbit Polyclonal Antibody | 50µl |
| AZ050 | Western一抗稀释液 | 50ml |
| — | 说明书 | 1份 |

保存条件:

THBS1 Rabbit Polyclonal Antibody -20°C保存, Western一抗稀释液-20°C或4°C保存, 一年有效。Western一抗稀释液优先推荐4°C保存, 长期不使用可以考虑-20°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°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°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°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:

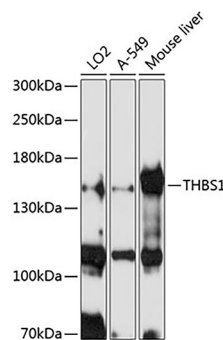


Fig. 1. Western blot analysis of extracts of various cell lines, using THBS1 antibody at 1:1000 dilution. Secondary antibody: HRP-labeled Goat Anti-Rabbit IgG(H+L) (A0208) at 1:1000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: QuickBlock™ Blocking Buffer (P0231). Detection: BeyoECL Star (P0018A). Exposure time: 1s.

相关产品:

| 产品编号 | 产品名称 | 包装 |
|------|------|----|
|------|------|----|

| | | |
|---------------|-----------------------------------|-------------|
| E6001 | MiniProGel™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 |
| 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 |

Version 2019.09.27