

Anti-MLKL (phospho S345) antibody [EPR9515(2)] ab196436

リコンビナント **RabMAb**

★★★★☆ **27 Abreviews** **246 References** 画像数 5

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-MLKL (phospho S345) antibody [EPR9515(2)] |
| 製品の詳細 | Rabbit monoclonal [EPR9515(2)] to MLKL (phospho S345) |
| 由来種 | Rabbit |
| 特異性 | MLKL pS345 is a trigger for necroptosis. It is only detectable in infection/cellular damaged (PMID:29229989) or aging tissue (PMID: 28807105) but not in normal tissues. |
| アプリケーション | 適用あり: WB, IP, Dot blot |
| 種交差性 | 交差種: Mouse |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| ポジティブ・コントロール | WB: L929 whole cell lysate treated with 20 ng/ml TNF alpha (ab9642), 100 nM Smac mimetic, and 20 µM z-VAD (ab120382) for 8h and then harvested. IP: L929 whole cell lysate treated with TNF alpha (ab9642) + Smac mimetic + z-VAD (ab120382) compound for 8h. |
| 特記事項 | <p>This antibody was developed through collaboration with the lab of Xiaodong Wang at the National Institute of Biological Sciences, Beijing.</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> |

製品の特性

| | |
|-------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| バッファー | <p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p> |

| | |
|--------|--------------------|
| 精製度 | Protein A purified |
| ポリ/モノ | モノクローナル |
| クローン名 | EPR9515(2) |
| アイソタイプ | IgG |

アプリケーション

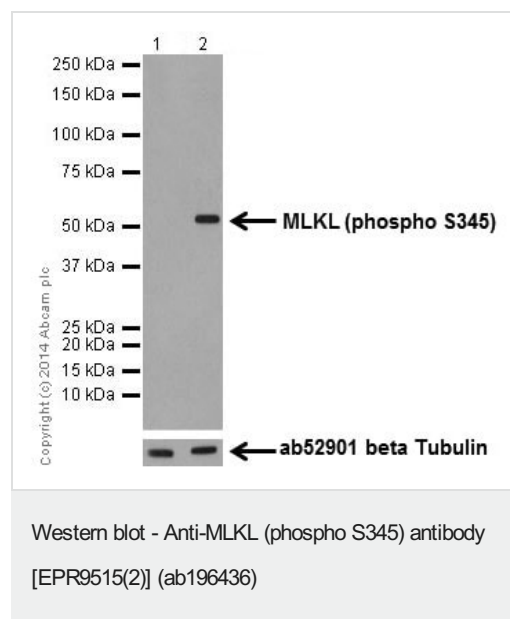
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab196436の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|------------|--|
| WB | ★★★★★ (12) | 1/1000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa). |
| IP | ★★★★★ (1) | 1/150. |
| Dot blot | | 1/1000. |

ターゲット情報

| | |
|-------|---|
| 配列類似性 | Belongs to the protein kinase superfamily. Contains 1 protein kinase domain. |
| ドメイン | The protein kinase domain is predicted to be catalytically inactive. |

画像



All lanes : Anti-MLKL (phospho S345) antibody [EPR9515(2)] (ab196436) at 1/1000 dilution

Lane 1 : Untreated L-929 (Mouse connective tissue fibroblast cells) whole cell lysate

Lane 2 : L-929 whole cell lysate treated with 20 ng/ml TNF alpha ([ab9642](#)), 100 nM Smac mimetic, and 20 μM z-VAD ([ab120382](#)) for 8 h and then harvested.

Lysates/proteins at 10 μg per lane.

Secondary

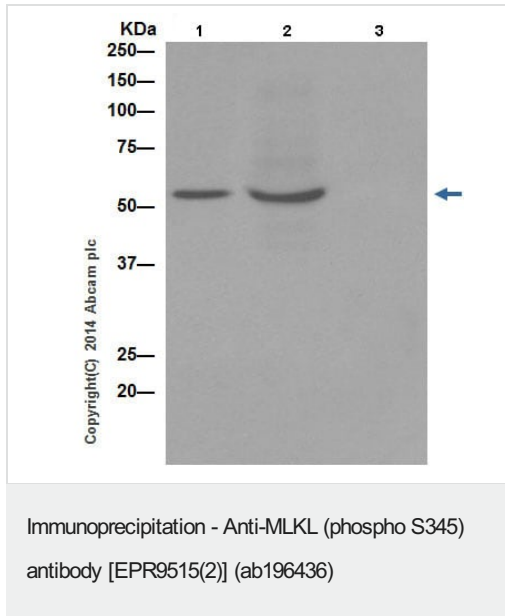
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa

Exposure time: 15 seconds

Blocking and dilution buffer: 5% NFDM/TBST.



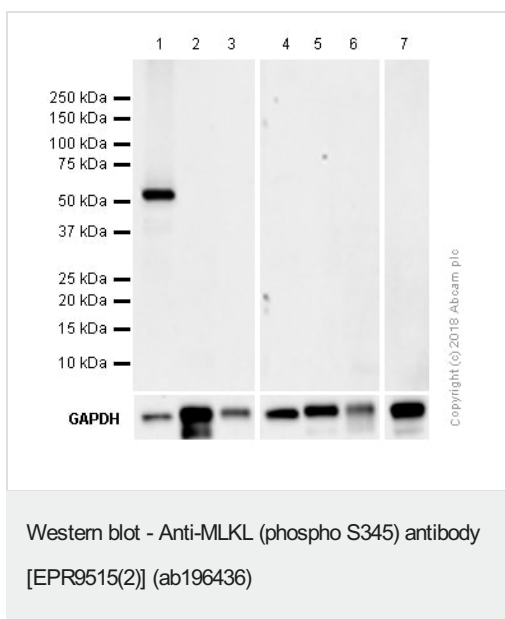
MLKL (phospho S345) was immunoprecipitated from 1mg of L-929 (Mouse connective tissue fibroblast cells) whole cell lysate treated with 20 ng/ml TNF alpha ([ab9642](#)) + 100 nM Smac mimetic + 20 μ M z-VAD compound ([ab120382](#)) for 8h using ab196436 at 1/150 dilution. Western blot was performed from the immunoprecipitate using ab196436 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: L-929 whole cell lysate treated with 20 ng/ml TNF alpha ([ab9642](#)) + 100 nM Smac mimetic+ 20 μ M z-VAD compound ([ab120382](#)) for 8h;10 μ g (Input).

Lane 2: ab196436 IP in L-929 whole cell lysate treated with 20 ng/ml TNF alpha ([ab9642](#)) + 100 nM Smac mimetic+ 20 μ M z-VAD compound ([ab120382](#)) for 8h.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab196436 in L-929 whole cell lysate treated with 20 ng/ml TNF alpha ([ab9642](#)) + 100 nM Smac mimetic+ 20 μ M z-VAD compound ([ab120382](#)) for 8h.

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



All lanes : Anti-MLKL (phospho S345) antibody [EPR9515(2)] (ab196436) at 1/1000 dilution

Lane 1 : L-929 treated with 20 ng/ml TNF alpha ([ab9642](#)), 100 nM Smac mimetic, and 20 μ M z-VAD ([ab120382](#)) for 8 h, whole cell lysate

Lane 2 : Mouse brain tissue lysate

Lane 3 : Mouse colon tissue lysate

Lane 4 : Mouse lung tissue lysate

Lane 5 : Mouse retina tissue lysate

Lane 6 : Mouse liver tissue lysate

Lane 7 : Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lysates/proteins at 20 μ g per lane.

Secondary

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

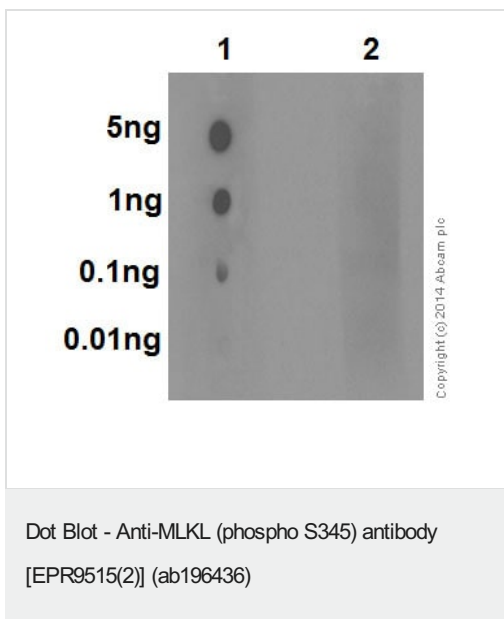
Predicted band size: 54 kDa

Observed band size: 54 kDa

Exposure time: 50 seconds

Blocking and diluting buffer: 5% NFDM/TBST.

MLKL pS345 is a trigger for necroptosis. It is only detectable in infection/cellular damaged (PMID:29229989) or aging tissue (PMID: 28807105) but not in normal tissues.



Dot blot analysis of MLKL (phospho S345) peptide (Lane 1), and non-phospho peptide (Lane 2), labeled using ab196436 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary antibody at 1/1000 dilution.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

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-MLKL (phospho S345) antibody [EPR9515(2)]
(ab196436)

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