

Anti-RIP antibody [EPR4689] ab125072

KO 評価済 リコンビナント RabMAb

4 References 画像数 6

製品の概要

| | |
|--------------|--|
| 製品名 | Anti-RIP antibody [EPR4689] |
| 製品の詳細 | Rabbit monoclonal [EPR4689] to RIP |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: WB 適用なし: IHC-P |
| 種交差性 | 交差種: Human |
| 免疫原 | Recombinant fragment corresponding to Human RIP aa 300-450 (internal sequence). |
| ポジティブ・コントロール | WB: Raji, Jurkat, HeLa and 293T cell lysates |
| 特記事項 | <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 these species. Please contact us for more information.</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 | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| 精製度 | Protein A purified |
| ポリ/モノ | モノクローナル |

クローン名 EPR4689
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ab125072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検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | | 1/1000 - 1/10000. Predicted molecular weight: 75 kDa. |

追加情報 Is unsuitable for IHC-P.

ターゲット情報

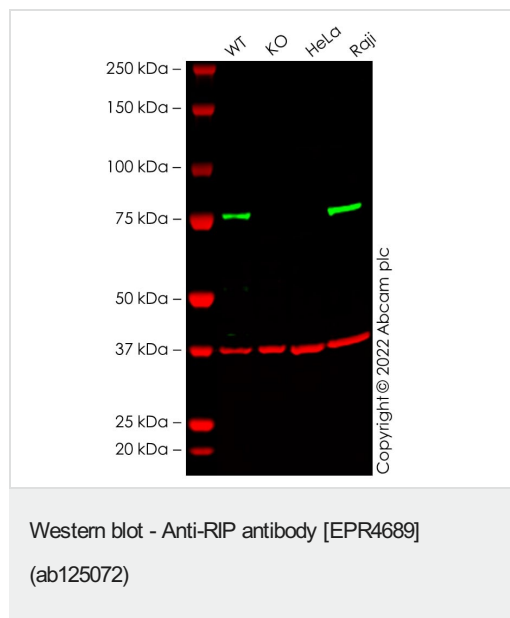
機能 Essential adapter molecule for the activation of NF-kappa-B. Following different upstream signals (binding of inflammatory cytokines, stimulation of pathogen recognition receptors, or DNA damage), particular RIPK1-containing complexes are formed, initiating a limited number of cellular responses. Upon TNFA stimulation RIPK1 is recruited to a TRADD-TRAF complex initiated by TNFR1 trimerization. There, it is ubiquitinated via 'Lys-63'-link chains, inducing its association with the IKK complex, and its activation through NEMO binding of polyubiquitin chains.

配列類似性 Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.
Contains 1 death domain.
Contains 1 protein kinase domain.

翻訳後修飾 Proteolytically cleaved by caspase-8 during TNF-induced apoptosis. Cleavage abolishes NF-kappa-B activation and enhances pro-apoptotic signaling through the TRADD-FADD interaction. Autophosphorylated on serine and threonine residues.
Ubiquitinated by 'Lys-11', 'Lys-48', 'Lys-63'- and linear-linked type ubiquitin. Polyubiquitination with 'Lys-63'-linked chains by TRAF2 induces association with the IKK complex. Deubiquitination of 'Lys-63'-linked chains and polyubiquitination with 'Lys-48'-linked chains by TNFAIP3 leads to RIPK1 proteasomal degradation and consequently to the termination of the TNF- or Linear polyubiquitinated; the head-to-tail polyubiquitination is mediated by the LUBAC complex. LPS-mediated activation of NF-kappa-B. Also ubiquitinated with 'Lys-11'-linked chains.

細胞内局在 Cytoplasm.

画像



All lanes : Anti-RIP antibody [EPR4689] (ab125072) at 1/1000 dilution

Lane 1 : Wild-type THP-1 cell lysate

Lane 2 : RIPK1 knockout THP-1 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Raji cell lysate

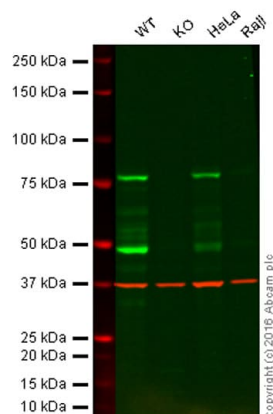
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 75 kDa

Observed band size: 76 kDa

False colour image of Western blot: Anti-RIP antibody [EPR4689] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab125072 was shown to bind specifically to RIP. A band was observed at 76 kDa in wild-type THP-1 cell lysates with no signal observed at this size in RIPK1 knockout cell line [ab276121](#) (knockout cell lysate [ab284210](#)). To generate this image, wild-type and RIPK1 knockout THP-1 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Western blot - Anti-RIP antibody [EPR4689]
(ab125072)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

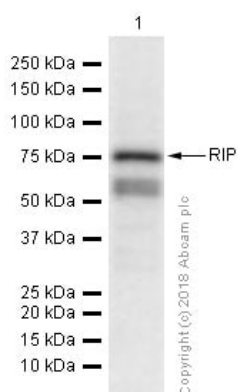
Lane 2: RIP knockout HAP1 cell lysate (20 µg)

Lane 3: HeLa cell lysate (20 µg)

Lane 4: Raji cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab125072 (unpurified) observed at 78 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab125072 was shown to specifically react with RIP in wild-type HAP1 cells. No band was observed when RIP knockout samples were examined. Wild-type and RIP knockout samples were subjected to SDS-PAGE. ab125072 at a dilution of 1/1000 and **ab8245** (loading control to GAPDH) at a dilution of 1/10,000 were incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-RIP antibody [EPR4689]
(ab125072)

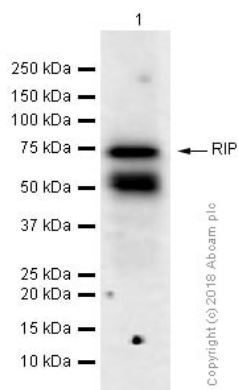
Anti-RIP antibody [EPR4689] (ab125072) at 1/5000 dilution (Purified) + Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate at 15 µg

Secondary

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

Predicted band size: 75 kDa

Observed band size: 75 kDa



Western blot - Anti-RIP antibody [EPR4689]
(ab125072)

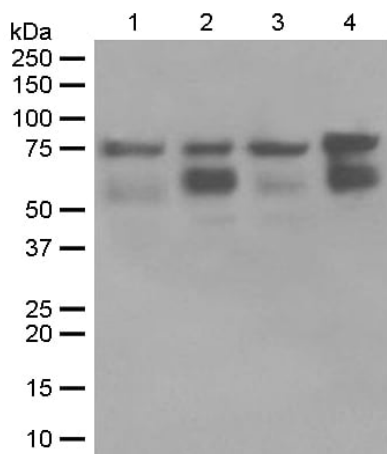
Anti-RIP antibody [EPR4689] (ab125072) at 1/1000 dilution
(Purified) + HeLa (Human cervix adenocarcinoma epithelial cell)
whole cell lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 75 kDa

Observed band size: 75 kDa



Western blot - Anti-RIP antibody [EPR4689]
(ab125072)

All lanes : Anti-RIP antibody [EPR4689] (ab125072) at 1/1000
dilution (unpurified)

Lane 1 : Raji cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : 293T cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 75 kDa

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-RIP antibody [EPR4689] (ab125072)

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