abcam

Product datasheet

Anti-PSME1 antibody [EPR10967(B)] ab155091

KO 評価済　リコンビナント　RabMAb

★★★★★ **4 Abreviews**　**4 References**　画像数 7

製品の概要

製品名	Anti-PSME1 antibody [EPR10967(B)]
製品の詳細	Rabbit monoclonal [EPR10967(B)] to PSME1
由来種	Rabbit
アプリケーション	**適用あり:** Indirect ELISA, WB, ICC/IF **適用なし:** Flow Cyt or IHC-P
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat
免疫原	Synthetic peptide within Human PSME1. The exact sequence is proprietary.
ポジティブ・コントロール	WB: HEK293T, MCF7 and Jurkat lysates. ICC/IF: MCF7 and HeLa cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR10967(B)

アイソタイプ	IgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u> 次のテスト済みアプリケーションにおけるab155091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。

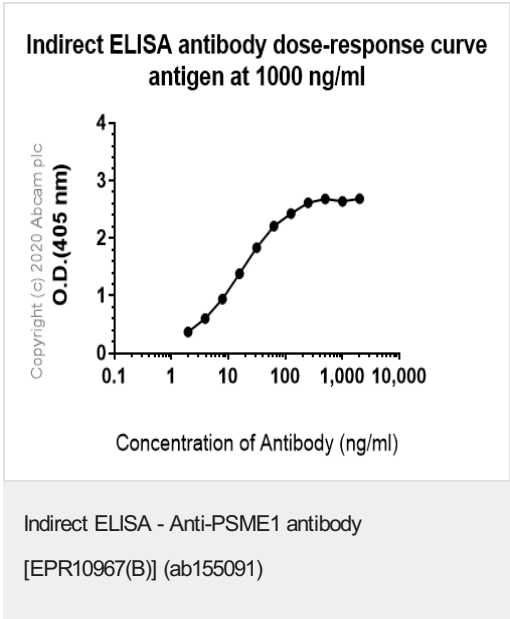| アプリケーション	Abreviews	特記事項
Indirect ELISA		Use at an assay dependent concentration. Use at 31.25 ng /ml
WB	★★★★★ (3)	1/1000 - 1/10000. Predicted molecular weight: 29 kDa.
ICC/IF	★★★★☆ (1)	1/500. **For unpurified use at 1/100 - 1/250.**

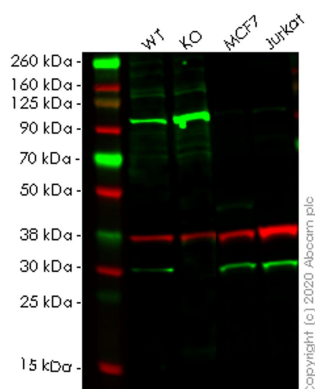| 追加情報	Is unsuitable for Flow Cyt or IHC-P.

ターゲット情報

機能	Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.
配列類似性	Belongs to the PA28 family.

画像

Indirect ELISA - Anti-PSME1 antibody [EPR10967(B)] (ab155091)

Indirect ELISA analysis of Human Proteasome activator complex subunit 1 using ab155091 at 1000 ng/mL dilution and secondary Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 2500 ng/mL dilution

Western blot - Anti-PSME1 antibody [EPR10967(B)] (ab155091)

All lanes : Anti-PSME1 antibody [EPR10967(B)] (ab155091) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : PSME1 knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lane 4 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
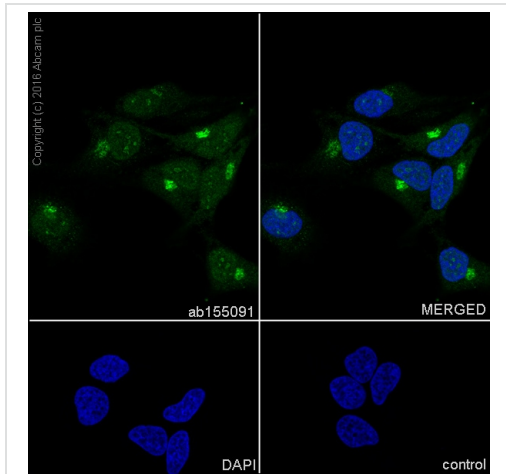
Lysates/proteins at 20 μg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

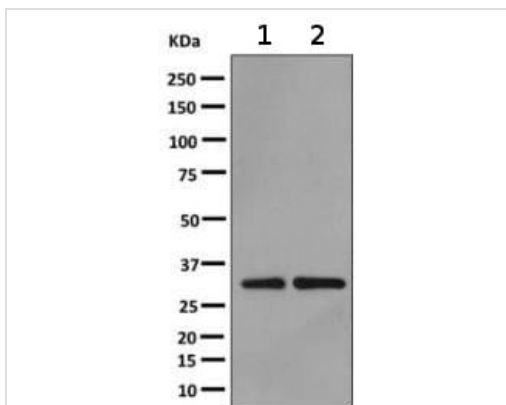**Predicted band size:** 29 kDa
Observed band size: 29 kDa

Lanes 1-4: Merged signal (red and green). Green - ab155091 observed at 29 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab155091 Anti-PSME1 antibody [EPR10967(B)] was shown to specifically react with PSME1 in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line **ab266192** (knockout cell lysate **ab257613**) was used. Wild-type and PSME1 knockout samples were subjected to SDS-PAGE. ab155091 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.

Immunocytochemistry/ Immunofluorescence - Anti-PSME1 antibody [EPR10967(B)] (ab155091)

Immunocytochemistry/Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) labeling PSME1 with purified ab155091 at 1/500 dilution. Cells were fixed with 4% PFA and permeabilized with 0.1% tritonX-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor®488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.

Western blot - Anti-PSME1 antibody [EPR10967(B)] (ab155091)

All lanes : Anti-PSME1 antibody [EPR10967(B)] (ab155091) at 1/1000 dilution

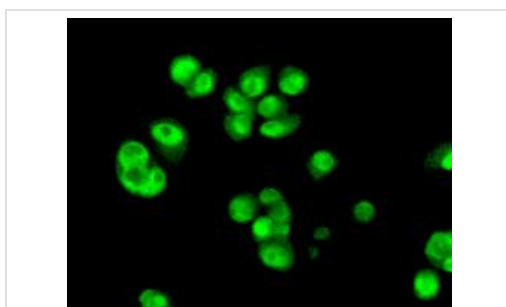**Lane 1 :** MCF7 cell lysate
Lane 2 : Jurkat cell lysate

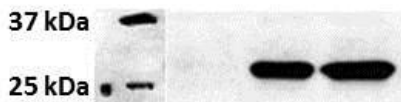Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-rabbit HRP conjugated at 1/2000 dilution

Predicted band size: 29 kDa

Immunocytochemistry/ Immunofluorescence - Anti-PSME1 antibody [EPR10967(B)] (ab155091)

Immunofluorescent analysis of MCF7 cells labeling PSME1 with ab155091 at 1/100 dilution.

Western blot - Anti-PSME1 antibody [EPR10967(B)]
(ab155091)

This image is courtesy of an anonymous Abreview

All lanes : Anti-PSME1 antibody [EPR10967(B)] (ab155091) at 1/1000 dilution

All lanes : Human prostate cancer whole tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 29 kDa
Observed band size: 29 kDa

Exposure time: 2 minutes

Anti-PSME1 antibody [EPR10967(B)] (ab155091)

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