

# Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free ab232356

KO 評価済 リコンビナント RabMAb

画像数 8

### 製品の概要

製品名	Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR7315] to TRIM25/EFP - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), ICC/IF, IP, IHC-P, WB
種交差性	<b>交差種:</b> Mouse, Rat, Human
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: HAP1, HeLa, and MCF7 whole cell lysates. IHC-P: Human pancreas tissue.
特記事項	<p>ab232356 is the carrier-free version of <a href="#">ab167154</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR7315
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ab232356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
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 71 kDa.

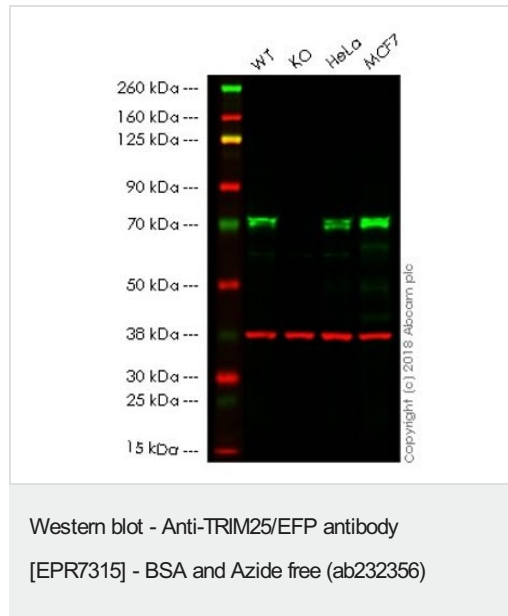
## ターゲット情報

機能	Functions as an ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of DDX58. Mediates 'Lys-63'-linked polyubiquitination of the DDX58 N-terminal CARD-like region which is crucial for triggering the cytosolic signal transduction that leads to the production of interferons in response to viral infection. Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway. Mediates estrogen action in various target organs.
組織特異性	Ubiquitous.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Contains 1 B30.2/SPRY domain. Contains 1 RING-type zinc finger.
ドメイン	The RING-type zinc finger is important for ISG15 E3 ligase activity and autoISGylation.

AutoISGylation negatively regulates ISG15 E3 ligase activity.  
The C-terminal B30.2/SPRY domain interacts with the first N-terminal CARD domain of DDX58.  
Auto-ISGylated.  
Cytoplasm. Colocalized with DDX58 at cytoplasmic perinuclear bodies.

翻訳後修飾  
細胞内局在

## 画像



**All lanes :** Anti-TRIM25/EFP antibody [EPR7315] ([ab167154](#)) at 1/10000 dilution

**Lane 1 :** Wild-type HAP1 whole cell lysate

**Lane 2 :** TRIM25/EFP knockout HAP1 whole cell lysate

**Lane 3 :** HeLa whole cell lysate

**Lane 4 :** MCF7 whole cell lysate

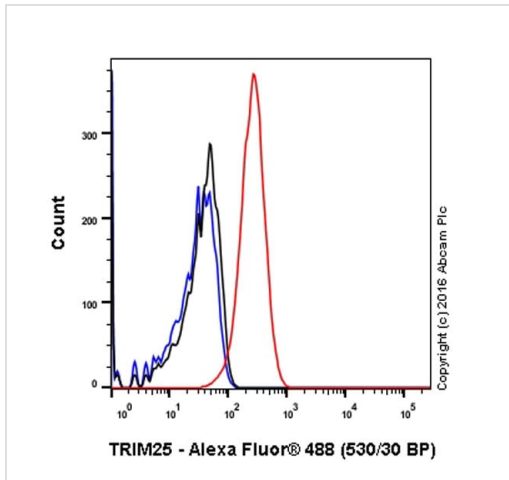
Lysates/proteins at 20 µg per lane.

**Predicted band size:** 71 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab167154](#)).

**Lanes 1 - 4:** Merged signal (red and green). Green - [ab167154](#) observed at 71 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

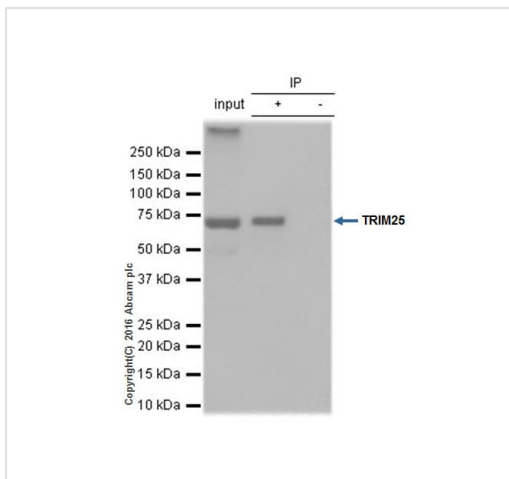
[ab167154](#) was shown to specifically react with TRIM25/EFP in wild-type HAP1 cells as signal was lost in TRIM25/EFP knockout cells. Wild-type and TRIM25/EFP knockout samples were subjected to SDS-PAGE. Ab167154 and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/10000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling TRIM25/EFP with purified **ab167154** at 1/90 dilution (10ug/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor®488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).



Immunoprecipitation - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

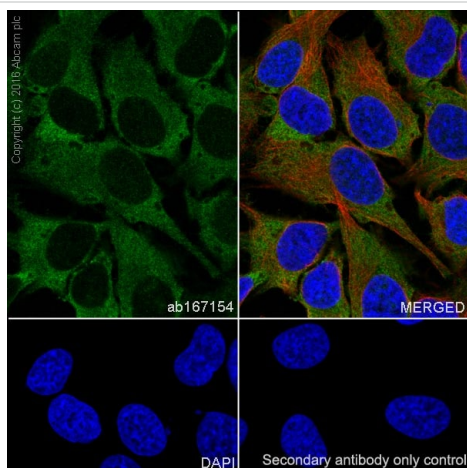
**ab167154** immunoprecipitating TRIM25/EFP. 10µg of cell lysate was incubated with primary antibody at a dilution of 1/40 and VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at a dilution of 1/1000.

**Lane 1:** HeLa (human cervix adenocarcinoma) whole cell lysate (10ug)

**Lane 2:** HeLa (human cervix adenocarcinoma) whole cell lysate

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab167154** in HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate.

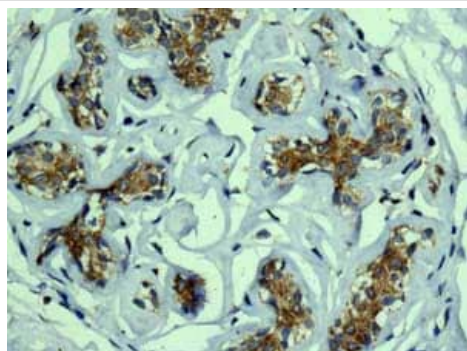
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).



Immunocytochemistry/ Immunofluorescence - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

**ab167154** staining TRIM25/EFP in HeLa (human cervix adenocarcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/500. A goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a dilution of 1/1000. **ab195889** was used as a tubulin counterstain at a dilution of 1/200 and DAPI was used as a nuclear counterstain.

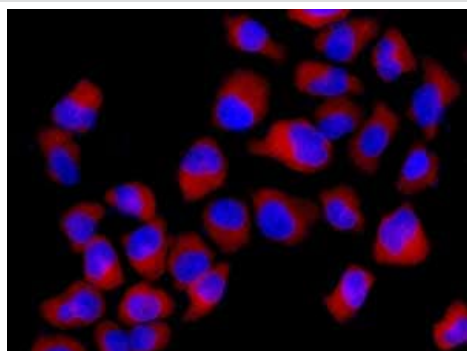
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

Immunohistochemical analysis of paraffin-embedded Human breast tissue labeling TRIM25/EFP with **ab167154** at 1/100 dilution.

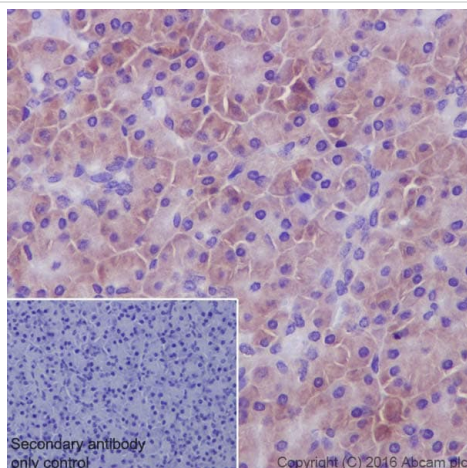
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).



Immunocytochemistry/ Immunofluorescence - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

Immunofluorescent analysis of HeLa cells labeling TRIM25/EFP with **ab167154** at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

**ab167154** staining TRIM25/EFP in human pancreas tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab167154**).

### 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-TRIM25/EFP antibody [EPR7315] - BSA and Azide free (ab232356)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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