


### Anti-TRIM25/EFP antibody ab86365

[3 References](#) [2 Images](#)

#### Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>        | Anti-TRIM25/EFP antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>         | Rabbit polyclonal to TRIM25/EFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Host species</b>        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Chimpanzee, Orangutan                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human TRIM25/EFP aa 325-375.<br>Database link: <a href="#">NP_005073.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Positive control</b>    | HeLa or 293T cell lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

#### Properties

|                             |                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------|
| <b>Form</b>                 | Liquid                                                                                      |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.       |
| <b>Storage buffer</b>       | pH: 6.8<br>Preservative: 0.09% Sodium azide<br>Constituents: 0.1% BSA, Tris buffered saline |
| <b>Purity</b>               | Immunogen affinity purified                                                                 |
| <b>Clonality</b>            | Polyclonal                                                                                  |
| <b>Isotype</b>              | IgG                                                                                         |

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab86365 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes                                               |
|-------------|-----------|-----------------------------------------------------|
| WB          |           | 1/200 - 1/1000. Predicted molecular weight: 71 kDa. |
| IP          |           | Use at 2-5 µg/mg of lysate.                         |

## Target

### Function

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.

### Tissue specificity

Ubiquitous.

### Pathway

Protein modification; protein ubiquitination.

### Sequence similarities

Contains 1 B30.2/SPRY domain.  
Contains 1 RING-type zinc finger.

### Domain

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.

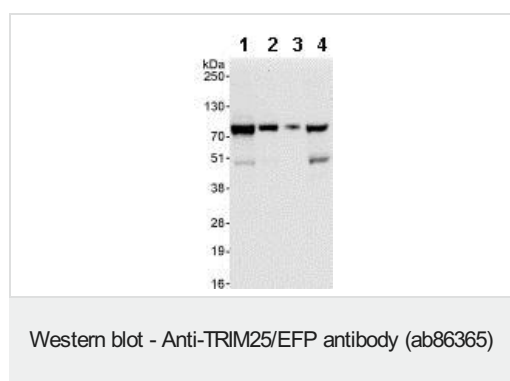
### Post-translational modifications

Auto-ISGylated.

### Cellular localization

Cytoplasm. Colocalized with DDX58 at cytoplasmic perinuclear bodies.

## Images



**All lanes :** Anti-TRIM25/EFP antibody (ab86365) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

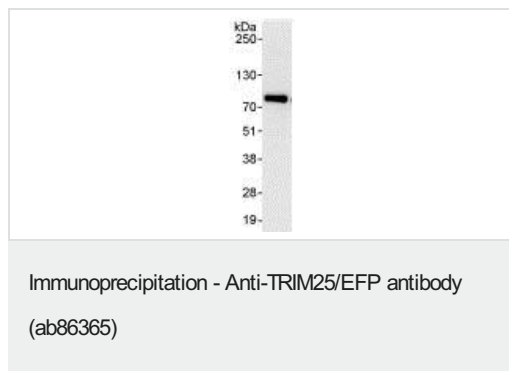
**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

**Predicted band size:** 71 kDa

**Exposure time:** 30 seconds



Detection of TRIM25/EFP by Western Blot of Immunoprecipitate.  
ab86365 at 1 µg/ml staining TRIM25/EFP in HeLa whole cell lysate  
immunoprecipitated using ab86365 at 3 µg/mg lysate (1 mg/IP; 20%  
of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 3 seconds.

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

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