# abcam

#### Product datasheet

## HRP Anti-TRIM25/EFP antibody [EPR7315] ab200788

Recombinant RabMAb

1 References 2 Images

Overview

**Product name** HRP Anti-TRIM25/EFP antibody [EPR7315]

**Description** HRP Rabbit monoclonal [EPR7315] to TRIM25/EFP

**Host species** Rabbit HRP Conjugation

Suitable for: WB **Tested applications** Species reactivity Reacts with: Human

Predicted to work with: Mouse, Rat

**Immunogen** Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

Positive control WB: K562 whole cell lysates.

**General notes** 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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb patents**.

**Properties** 

**Form** Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.

Stable for 12 months at -20°C. Store In the Dark.

Storage buffer pH: 7.40

Preservative: 0.1% Proclin 300 Solution

Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS

**Purity** Protein A purified

Clonality Monoclonal Clone number EPR7315

**Isotype** IgG

#### **Applications**

The Abpromise guarantee Our Abpromise guarantee covers the use of ab200788 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		1/5000. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).

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**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.

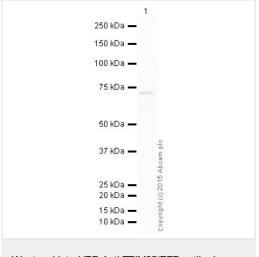
Post-translational

modifications

Auto-ISGylated.

**Cellular localization** Cytoplasm. Colocalized with DDX58 at cytoplasmic perinuclear bodies.

### Images



Western blot - HRP Anti-TRIM25/EFP antibody [EPR7315] (ab200788)

HRP Anti-TRIM25/EFP antibody [EPR7315] (ab200788) at 1/5000 dilution + K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate at 10  $\mu$ g

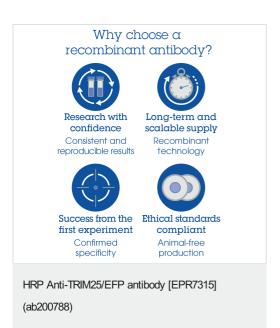
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 71 kDa **Observed band size:** 71 kDa

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab200788 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



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