

**TRBP1 Antibody**  
**Catalog # ASC10487****Specification**

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**TRBP1 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q13395</a>  |
| Other Accession   | <a href="#">NP_005637</a> , <a href="#">110825988</a>                             |
| Reactivity        | Human, Mouse  |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | IgG   |
| Application Notes | TRBP1 antibody can be used for detection of TRBP1 by Western blot at 1 - 2 µg/mL. |

**TRBP1 Antibody - Additional Information**Gene ID **6894****Other Names**

TRBP1 Antibody: TRM3, TRP185, TRP-185, TRM3, Probable methyltransferase TARBP1, TAR RNA-binding protein 1, TAR (HIV-1) RNA binding protein 1

**Target/Specificity**

TARBP1;

**Reconstitution & Storage**

TRBP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

TRBP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TRBP1 Antibody - Protein Information****Name** TARBP1**Synonyms** TRM3, TRP185**Function**

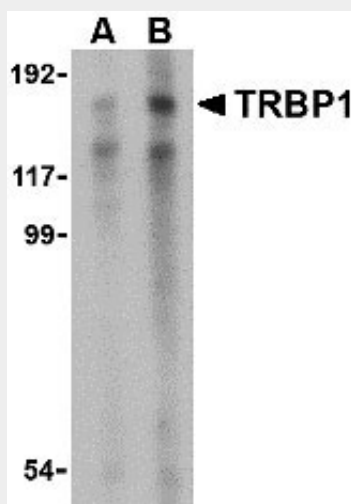
Probable S-adenosyl-L-methionine-dependent methyltransferase which methylates RNA molecules such as tRNAs.

**TRBP1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TRBP1 Antibody - Images



Western blot analysis of TRBP1 in 3T3 cell lysate with TRBP1 antibody at (A) 1 and (B) 2 µg/mL.

#### TRBP1 Antibody - Background

**TRBP1 Antibody:** The human trans-activation response (TAR) RNA binding protein 1 (TRBP1) was initially identified as a protein that binds to the HIV-1 TAR RNA and activates the long terminal repeat (LTR) expression in the absence and presence of the viral trans-activator Tat. This binding is enhanced by the presence of co-factors such as elongation factor 1 $\alpha$  (EF-1 $\alpha$ ), polypyrimidine tract-binding protein (PTB), and the chaperonin-like protein stimulator of TAR RNA-binding proteins (SRB). TRBP1 may act to disengage RNA polymerase II from TAR during transcriptional elongation if the RNA polymerase stalls at the TAR during transcriptional elongation.

#### TRBP1 Antibody - References

Gatignol A, Buckler-White A, Berkhout B, et al. Characterization of a human TAR RNA-binding protein that activates the HIV-1 LTR. *Science* 1991; 251:1597-1600.

Wu-Baer F, Lane WS, and Gaynor RB. Identification of a group of cellular cofactors that stimulate the binding of RNA polymerase II and TRP-185 to human immunodeficiency virus 1 TAR RNA. *J. Biol. Chem.* 1996; 271:4201-8.

Wu-Baer F, Lane WS, and Gaynor RB. The cellular factor TRP-185 regulates RNA polymerase II binding to HIV-1 TAR RNA. *EMBO J.* 1995; 14:5995-6009. (07-01D)