

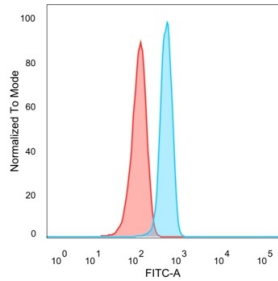
## Anti-TRBP Antibody [PCRP-TARBP2-1E5] - BSA and Azide free (A253259)

### Specifications:

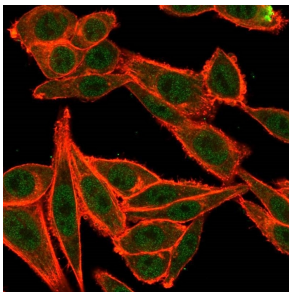
Name:	Anti-TRBP Antibody [PCRP-TARBP2-1E5] - BSA and Azide free
Description:	Mouse monoclonal [PCRP-TARBP2-1E5] antibody to TRBP.
Specificity:	TRBP2, also known as TARBP2 (trans-activation-responsive (HIV-1) RNA binding protein 2), TRBP1 or TRBP, is a nuclear protein that contains three DRBM (double-stranded RNA-binding) domains. TRBP binds between the bulge and the loop of the HIV-1 TAR RNA regulatory element and activates HIV-1 gene expression in synergy with the viral Tat protein. The third DRBM motif in the C-terminus of human TRBP2 can interact with and inhibit PKR activity, thereby increasing HIV-1 long terminal repeat (LTR) expression. In addition, TRBP2 functions as a component of a Dicer-containing complex and associates with the catalytic subunit of the RNA-induced silencing complex (RISC), namely eIF2C2. TRBP2 is essential for Dicer stability and the proper assembly of RISC. This suggests that TRBP2, in association with Dicer, plays an important role in the processing of miRNAs (microRNAs).
Applications:	Flow Cytometry, IF, WB
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human TARBP2 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-TARBP2-1E5
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-TRBP Antibody [PCRP-TARBP2-1E5] (A250079).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

# Anti-TRBP Antibody [PCRP-TARBP2-1E5] - BSA and Azide free (A253259)

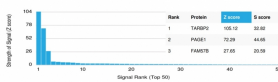
## Images:



Flow cytometric analysis of PFA fixed HeLa cells using Anti-TRBP Antibody [PCRP-TARBP2-1E5] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (red).



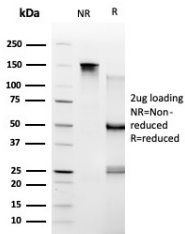
Immunofluorescent analysis of PFA fixed HeLa cells stained with Anti-TRBP Antibody [PCRP-TARBP2-1E5] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is Phalloidin-CF® 640A (Red).



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-TRBP Antibody [PCRP-TARBP2-1E5]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

# Anti-TRBP Antibody [PCRP-TARBP2-1E5] - BSA and Azide free (A253259)

Images continued:



SDS-PAGE analysis of Anti-TRBP Antibody [PCRP-TARBP2-1E5] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.