

## TRBP2 / TARBP2 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-TARBP2-1E5]

Catalog No	Format	Size
6895-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6895-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6895-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

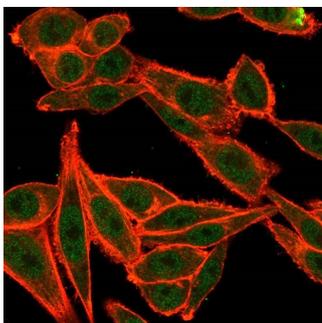
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

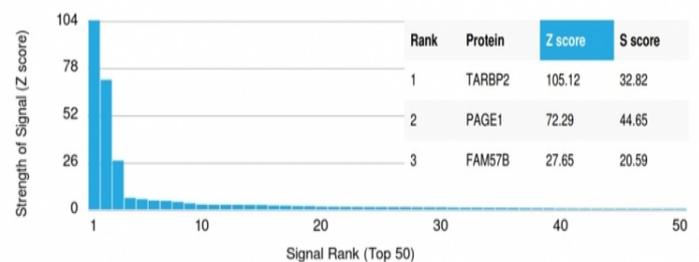
<b>Clone</b>	PCR-P-TARBP2-1E5
<b>Gene Name</b>	TARBP2
<b>Immunogen</b>	Recombinant full-length human TARBP2 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a
<b>Mol. Weight of Antigen</b>	45kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Perinuclear region
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	MCF-7 or HeLa cells.

\*Optimal dilution for a specific application should be determined.

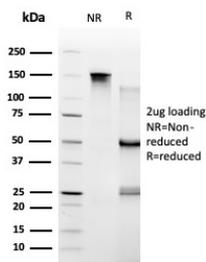
### Product Images for TRBP2 / TARBP2 Antibody



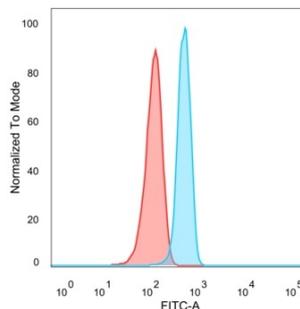
Immunofluorescence Analysis of PFA-fixed HeLa cells using TRBP2 / TARBP2 Mouse Monoclonal Antibody (PCR-P-TARBP2-1E5) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using TRBP2 / TARBP2 Mouse Monoclonal Antibody (PCR-P-TARBP2-1E5). Z- 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.



SDS-PAGE Analysis. Purified TRBP2 / TARBP2 Mouse Monoclonal Antibody (PCRP-TARBP2-1E5). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. TRBP2 / TARBP2 Mouse Monoclonal Antibody (PCRP-TARBP2-1E5) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

### Specificity & Comments

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).

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Nuclear Marker, Transcription Factors