

# TARBP2 Rabbit mAb

Catalog # AP77821

## Product Information

Application	WB, IHC-P, IF, FC, ICC, IP
Primary Accession	<a href="#">Q15633</a>
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human TRBP
Purification	Affinity Chromatography
Calculated MW	39039

## Additional Information

Gene ID	6895
Other Names	TARBP2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

Name	TARBP2 {ECO:0000255 HAMAP-Rule:MF_03034}
Synonyms	TRBP
Function	Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto AGO2. AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. May also play a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1 (By similarity) (PubMed: <a href="#">15973356</a> , PubMed: <a href="#">16142218</a> , PubMed: <a href="#">16271387</a> , PubMed: <a href="#">16357216</a> , PubMed: <a href="#">16424907</a> , PubMed: <a href="#">17452327</a> , PubMed: <a href="#">18178619</a> ). Binds in vitro to

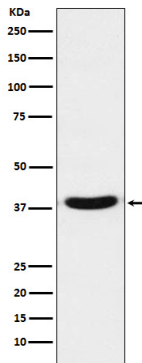
the PRM1 3'-UTR (By similarity). Seems to act as a repressor of translation (By similarity). For some pre-miRNA substrates, may also alter the choice of cleavage site by DICER1 (PubMed:[23063653](#)). Negatively regulates IRF7-mediated IFN-beta signaling triggered by viral infection by inhibiting the phosphorylation of IRF7 and promoting its 'Lys'-48- linked ubiquitination and degradation (PubMed:[30927622](#)).

#### Cellular Location

Cytoplasm. Cytoplasm, perinuclear region. Nucleus

## Images

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