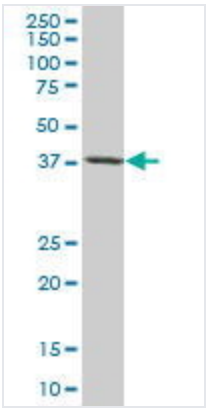
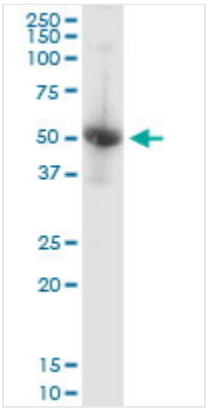
TARBP2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

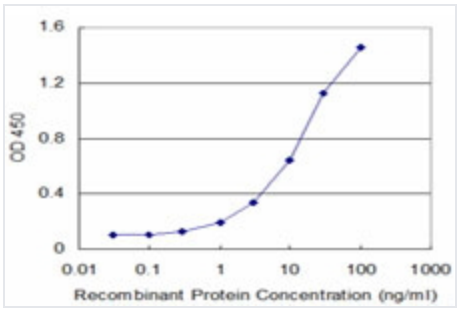
Product Name	TARBP2, Monoclonal Antibody
Full Product Name	TARBP2 (TAR (HIV-1) RNA Binding Protein 2, LOQS, TRBP, TRBP1, TRBP2) (HRP)
Product Gene Name	anti-TARBP2 antibody
Product Synonym Names	TAR (HIV-1) RNA Binding Protein 2; LOQS; TRBP; TRBP1; TRBP2
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2H1
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes TARBP2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	605053
3D Structure	ModBase 3D Structure for Q15633
Immunogen	TARBP2 (NP_599150, 141aa-250aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	HRP
Product Categories/Family for anti-TARBP2 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-TARBP2 antibody	Western Blot (WB)
Application Notes for anti-TARBP2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TARBP2 antibody	MBS6181660 is an antibody targeting TARBP2. Also known as TARBP2 (TAR (HIV-1) RNA Binding Protein 2, LOQS, TRBP, TRBP1, TRBP2) (HRP). Host: Mouse.
Other Notes	Small volumes of anti-TARBP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TARBP2 antibody
TARBP2 monoclonal antibody (M02), clone 2H1. Western Blot analysis of TARBP2 expression in Jurkat (Cat # L017V1).



Western Blot (WB) of anti-TARBP2 antibody
TARBP2 monoclonal antibody (M02), clone 2H1. Western Blot analysis of TARBP2 expression in human kidney.



Testing Data of anti-TARBP2 antibody
Detection limit for recombinant GST tagged TARBP2 is approximately 0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TARBP2. It may not necessarily be applicable to this product.

NCBI GI #	19743840
NCBI GeneID	6895
NCBI Accession #	NP_599150
UniProt Primary Accession #	Q15633
UniProt Related Accession #	Q15633
GenBank Nucleotide #	NP_599150.1
NCBI Official Full Name	RISC-loading complex subunit TARBP2 isoform a
NCBI Official Synonym Full Names	TARBP2 subunit of RISC loading complex
NCBI Official Symbol	TARBP2
NCBI Official Synonym Symbols	LOQS; TRBP; TRBP1; TRBP2
UniProt Protein Name	RISC-loading complex subunit TARBP2
UniProt Synonym Protein Names	TAR RNA-binding protein 2; Trans-activation-responsive RNA-binding protein
Protein Family	RISC-loading complex
UniProt Gene Name	TARBP2

UniProt Entry Name	TRBP2_HUMAN
NCBI Protein Information	RISC-loading complex subunit TARBP2
NCBI Summary for TARBP2	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene 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. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene also has a pseudogene. [provided by RefSeq, Jul 2008]
UniProt Comments for TARBP2	TRBP: the HIV-1 TAR RNA binding protein (TRBP) is a double strand RNA binding protein (dsRBP) that is required for the recruitment of Ago2 to the small interfering RNA (siRNA) bound by Dicer. TRBP increases HIV-1 expression and replication by inhibiting the interferon-induced protein kinase PKR and by increasing translation of viral mRNA. Dicer, Ago2, and TRBP are the main components of the RNA-induced silencing complex (RISC). Protein type: Translation; Motility/polarity/chemotaxis; RNA processing; RNA-binding Chromosomal Location of Human Ortholog: 12q13.13 Cellular Component: nucleoplasm; perinuclear region of cytoplasm; cytoplasm; nucleus; cytosol Molecular Function: protein binding; siRNA binding; protein homodimerization activity; miRNA binding; double-stranded RNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; regulation of translation; positive regulation of viral genome replication; regulation of transcription, DNA-dependent; pre-microRNA processing; regulation of viral transcription; RNA interference, targeting of mRNA for destruction; miRNA-mediated gene silencing, miRNA loading onto RISC; negative regulation of protein kinase activity; gene expression; negative regulation of defense response to virus by host; RNA interference, production of siRNA
Research Articles on TARBP2	**1.** Our findings may shed light on the mechanism of apoptosis, induced by the TRBP-bound miRNAs through the interaction of TRBP with LGP2, as an antiviral defense system in mammalian cells.
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