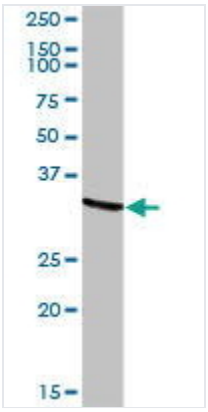
TARBP2 Antibody – Rabbit Polyclonal

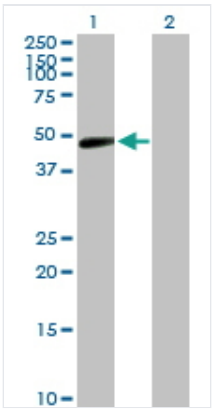
PRODUCT OVERVIEW

Product Name	TARBP2, Polyclonal Antibody
Full Product Name	TARBP2 (TRBP, RISC-loading Complex Subunit TARBP2, TAR RNA-binding Protein 2, Trans-activation-responsive RNA-binding Protein) (PE)
Product Gene Name	anti-TARBP2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TARBP2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	605053
3D Structure	ModBase 3D Structure for Q15633
Immunogen	Full length human TARBP2, aa1-366 (NP_599150.1).
Immunogen Sequence	MSEEEQGSGTTTGCGLPSIEQMLAANPGKTPISLLQEYGTRIGKTPVYDLLKAEGQAHQPNFTFRVTVGDTSCTGQGPSKKAAKHKAAEVALKHLKGGSN
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-TARBP2 antibody	Antibodies; RNA 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	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA splicing results in multiple transcript variants encoding different isoforms. This gene also has a pseudogene.
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 nece

Searchable Terms for TARBP2 purchase	MBS6396037 is an antibody targeting TARBP2. Also known as TARBP2 (TRBP, RISC-loading Complex Subunit TARBP2, TAR RNA-binding Protein 2



Western Blot (WB) of anti-TARBP2 antibody
TARBP2 rabbit polyclonal antibody. Western Blot analysis of TARBP2 expression in human kidney.



Western Blot (WB) of anti-TARBP2 antibody
Western Blot analysis of TARBP2 expression in transfected 293T cell line by TARBP2 polyclonal antibody. Lane 1: TARBP2 transfected lysate (39kD). Lane 2: Non-transfected lysate.

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_599150.1
UniProt Primary Accession #	Q15633
UniProt Related Accession #	Q15633
GenBank Nucleotide #	NM_134323.1
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

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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