

TARBP2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant TARBP2.

Catalog # AT4153a

Product Information

Application	WB
Primary Accession	Q15633
Other Accession	NM_134323
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2G10
Calculated MW	39039

Additional Information

Gene ID	6895
Other Names	RISC-loading complex subunit TARBP2 {ECO:0000255 HAMAP-Rule:MF_03034}, TAR RNA-binding protein 2, Trans-activation-responsive RNA-binding protein, TARBP2 {ECO:0000255 HAMAP-Rule:MF_03034}, TRBP
Target/Specificity	TARBP2 (NP_599150, 141 a.a. ~ 250 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TARBP2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

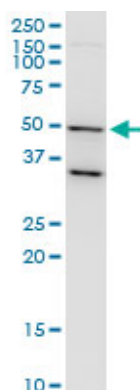
Background

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.

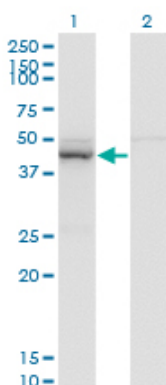
References

Role of primary miRNA polymorphic variants in metastatic colon cancer patients treated with 5-fluorouracil and irinotecan. Boni V, et al. *Pharmacogenomics J*, 2010 Jun 29. PMID 20585341. Black carbon exposures, blood pressure, and interactions with single nucleotide polymorphisms in MicroRNA processing genes. Wilker EH, et al. *Environ Health Perspect*, 2010 Jul. PMID 20211803. Structure of the human Dicer-TRBP complex by electron microscopy. Lau PW, et al. *Structure*, 2009 Oct 14. PMID 19836333. Structural insights into RNA processing by the human RISC-loading complex. Wang HW, et al. *Nat Struct Mol Biol*, 2009 Nov. PMID 19820710. Characterization of the TRBP domain required for dicer interaction and function in RNA interference. Daniels SM, et al. *BMC Mol Biol*, 2009 May 7. PMID 19422693.

Images



TARBP2 monoclonal antibody (M04), clone 2G10. Western Blot analysis of TARBP2 expression in HeLa S3 NE.



Western Blot analysis of TARBP2 expression in transfected 293T cell line by TARBP2 monoclonal antibody (M04), clone 2G10.

Lane 1: TARBP2 transfected lysate (Predicted MW: 39 kDa).

Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.