

Product Name: KD-Validated TARBP2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00847**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 39.0kDa

Antigen Information

Gene Name	TARBP2 TARBP2; TARBP2 Subunit Of RISC Loading Complex; Trbp; TARBP2, RISC Loading Complex RNA Binding Subunit; RISC-Loading Complex Subunit TARBP2; TAR (HIV-1) RNA Binding
Alternative Names	Protein 2; Trans-Activation Responsive RNA-Binding Protein; Trans-Activation-Responsive RNA-Binding Protein; TAR (HIV) RNA-Binding Protein TRBP1; TAR (HIV) RNA-Binding Protein 2; TAR RNA Binding Protein 2; TAR RNA-Binding Protein 2; TRBP1; TRBP2; LOQS; TRBP
Gene ID	6895.0
SwissProt ID	Q15633
Immunogen	A synthesized peptide derived from human TRBP

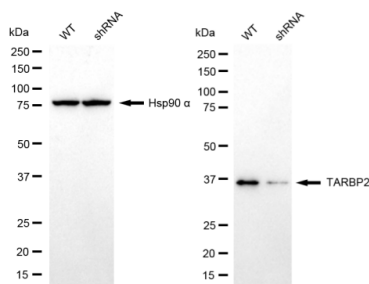
Background

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. [provided by RefSeq, Jul 2008]

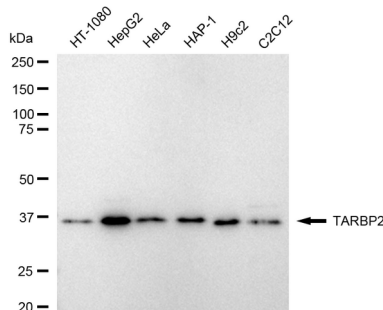
Research Area

Microbiology, Epigenetics and Nuclear Signaling

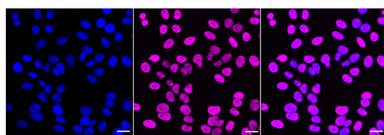
Image Data



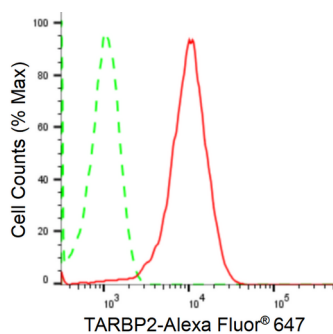
Western blotting analysis using TARBP2 antibody (KVA00847). TARBP2 expression in wild type (WT) and TARBP2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TARBP2 antibody (KVA00847, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TARBP2 antibody (KVA00847). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TARBP2 antibody (KVA00847, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with TARBP2 antibody (KVA00847, 1:1,000). Nuclei were stained blue with DAPI; TARBP2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of TARBP2 expression in HepG2 cells using TARBP2 antibody (KVA00847, 1:2,000). Green, isotype control; red, TARBP2.