Datasheet for ABIN6983417 anti-TRBP antibody (AA 21-120) (Cy3)

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Quantity:	100 µL
Target:	TRBP (TARBP2P)
Binding Specificity:	AA 21-120
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRBP antibody is conjugated to Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TRBP
Isotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.
Target Details	

Target:	TRBP (TARBP2P)
Alternative Name:	TRBP (TARBP2P Products)

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Target Details	
Background:	Synonyms: LOQS, Prbp, RISC loading complex subunit TARBP2, RISC-loading complex subunit
	tarbp2, TAR (HIV 1) RNA binding protein 2, TAR (HIV) RNA binding protein 2, TAR (HIV) RNA-
	binding protein TRBP1, TAR RNA Binding Protein 2, TAR RNA-binding protein 2, tarbp2, Trans-
	activation-responsive RNA-binding protein, TRBP, TRBP1, TRBP2, TRBP2_HUMAN.
	Background: 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, EIF2C2/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 EIF2C2/AG02. EIF2C2/AG02 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. Binds to the HIV-1 TAR RNA which is located in the long terminal repeat
	(LTR) of HIV-1, and stimulates translation of TAR-containing RNAs. This is achieved in part at
	least by binding to and inhibiting EIF2AK2/PKR, thereby reducing phosphorylation and inhibition
	of EIF2S1/eIF-2-alpha. May also promote translation of TAR-containing RNAs independently of
	EIF2AK2/PKR.
Gene ID:	6895

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UniProt:	Q15633	
Pathways:	Regulatory RNA Pathways, Ribonucleoprotein Complex Subunit Organization	

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

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