

Store at  
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#62043**TRBP2 (D7C8K) Rabbit mAb**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, IP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 44	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q15633	<b>Entrez-Gene Id:</b> 6895
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**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
1:100

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

TRBP2 (D7C8K) recognizes endogenous levels of total TRBP2 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro119 of human TRBP2 protein.

**Background**

Trans-activation response (TAR) RNA binding protein (TRBP2) was initially discovered as a double stranded RNA binding protein (dsRBP) that bound TAR RNA sequences of the HIV-1 virus (1, 2). TRBP2 can bind to and inhibit the phosphorylation of protein kinase PKR, which leads to increased activation of the HIV-1 long terminal repeat (3,4). Along with PACT, TRBP2 is one of the dsRBPs in the RNA-induced silencing complex (RISC), where it plays a critical role in recruiting Ago2 to the miRNA bound by Dicer. (5-8).

**Background References**

1. Gatignol, A. et al. (1991) *Science* 251, 1597-600.
2. Kozak, C.A. et al. (1995) *Genomics* 25, 66-72.
3. Park, H. et al. (1994) *Proc Natl Acad Sci U S A* 91, 4713-7.
4. Daher, A. et al. (2001) *J Biol Chem* 276, 33899-905.
5. Chendrimada, T.P. et al. (2005) *Nature* 436, 740-4.
6. Haase, A.D. et al. (2005) *EMBO Rep* 6, 961-7.
7. Maniatakis, E. and Mourelatos, Z. (2005) *Genes Dev* 19, 2979-90.
8. Kok, K.H. et al. (2007) *J Biol Chem* 282, 17649-57.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human

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