

Catalog No. LF-MA0209

MONOCLONAL ANTIBODY



Anti-TRBP(46D1)

Background : TRBP (transactivation response RNA binding protein) is a protein that increases HIV-1 expression and replication by inhibition of the interferon-induced protein kinase PKR. TRBP overexpression is associated with reduced abundance of phosphorylated PKR and stimulation of protein translation.

TRBP has a physiological role in spermatogenesis and growth control during development. It is oncogenic upon overexpression, likely because of its association with PKR, with the PKR activator PACT, and with the tumor suppressor Merlin. TRBP was identified as a merlin interacting protein by Gal4-based yeast two-hybrid screening of a human adult brain cDNA library. Merlin can inhibit tumorigenesis mediated by TRBP and can regulate the protein translation pathways controlled by TRBP.

Dicer is a key enzyme involved in RNA interference (RNAi) and microRNA (miRNA) pathways. Ago-2, a member of the Argonaute family, Dicer and TRBP comprise the catalytic core of the RNA induced silencing complex (RISC).

Immunogen : Recombinant human protein purified from *E.coli* (GST-TRBP)

Host : Mouse **Size :** 100ul

Clone number : 46D1

Isotype : IgG1, k

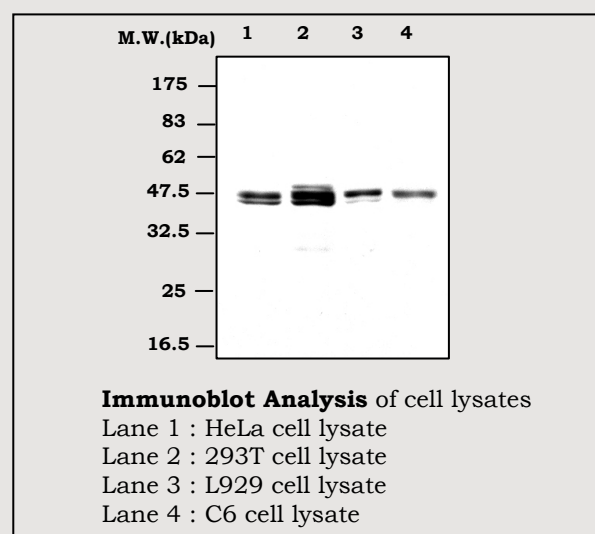
Composition : Hepes with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol

Positive control : Bosc23 cell lysate transfected with GFP-TNF-alpha

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	+



Applications :

ELISA

Western Blotting (1:5,000)

Background Reference :

- 1) Christensen HS et al., 2007, J Virol. 81(10):5121-5131
- 2) Haase AD et al., 2005,, EMBO Rep. 2005 Oct;6(10):961-7.
- 3) Lee JY et al. 2004, . J Biol Chem. 279(29):30265-30273.

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