

Mouse RTVP-1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4468

DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse RTVP-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant mouse RTVP-1 Ser16-Thr223 Accession # Q9CWG1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA

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KDa 122— 94— 65— 39— 23— RTVP-1

Western Blot

Detection of Mouse RTVP-1 by Western Blot. Western blot shows lysates of Balb/3T3 mouse embryonic fibroblast cell line and RAW 264.7 mouse monocyte/macrophage cell line. PVDF membrane was probed with 1 µg/mL of Mouse RTVP-1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4468) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for RTVP-1 at approximately 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

RTVP-1 (related to testes-specific, vespid, and pathogenesis protein 1) can act as both a tumor suppressor and tumor promoter gene. RTVP-1 is a tumor suppressor gene based on its regulation by p53, induction of apoptosis, growth inhibition, and decreased expression in prostate tumors when compared to normal prostate. RTVP-1 is a tumor promoter is based on evidence that overexpression of RTVP-1 decreased the phosphorylation of c-Jun, increased Bcl-2 expression, and increased MMP2 activity. In addition, RTVP-1 is expressed at high levels in glioblastomas while barely detectable in normal brain/astrocytes. Differences in the levels of cellular and extracellular forms as well as different cellular processing of RTVP-1 may account for these differing roles. Additionally, increased RTVP-1 expression is associated with myelomocytic differentiation in macrophages.

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