

DESCRIPTION

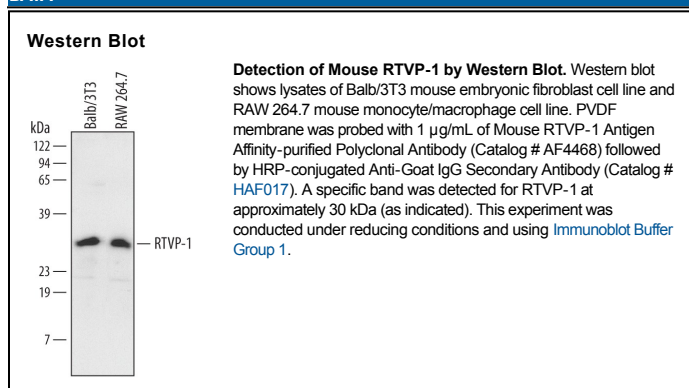
Species Reactivity	Mouse
Specificity	Detects mouse RTVP-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse RTVP-1 Ser16-Thr223 Accession # Q9CWW1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The 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. <ul style="list-style-type: none"> • 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.