

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 # Q9CWG1
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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