

TNF-R1 Polyclonal Antibody

CATALOG #:	3125-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 32 of human TNF-RI (ID# BV-352)
SPECIES REACTIVITY:	human, mouse, rat, rabbit, monkey, hamster, pig, bovine, ovine, canine, sheep

FORMULATION:

100 µg (0.2 mg/ml) affinity purified rabbit anti-TNF-R1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

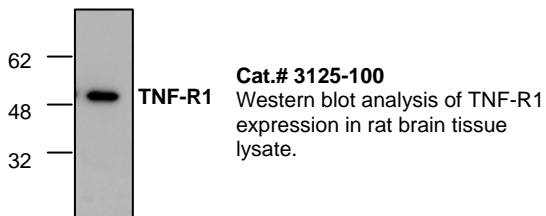
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

Tumor necrosis factor receptor 1 and 2 (TNF-R1 and TNF-R2) are 55 and 75 kDa. While TNF-R1 and TNF-R2 share 28% sequence homology in the extracellular domains, their intracellular domains lack sequence homology, suggesting that they differ in their internal signal transduction pathways. TNF-R1 contains an approximately 80 amino acid death domain near its carboxy terminus capable of transmitting an apoptotic signal through its interaction with TRADD (TNF-R1 associated death domain protein), and subsequent interactions with FADD. TNF-R1 can also activate the transcription factor NFκB via TRAF2 (TNF receptor associated factor 2). The cytoplasmic domain of TNF-R1 can directly interact with Jak kinase, thereby activating the JAK/STAT signal transduction cascade.

APPLICATIONS:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researchers feed back, it also works well in immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3125BP-50) is available separately.



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