

## TNF-R1 Polyclonal Antibody

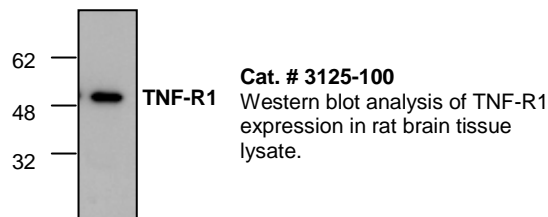
<b>CATALOG NO:</b>	3125-30T      30 µg (Trial size) 3125-100      100 µg
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 32 of human TNF-R1 (ID# BV-352)
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat, Rabbit, Monkey, Hamster, Pig, Bovine, Canine, Sheep

**FORMULATION:**  
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 for Western blotting (0.5-4 µg/ml) and in Immunohistochemistry (2.5 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat. # 3125BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptosis siRNA Vectors
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
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  - Quick Cell Proliferation Assay Kit
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