

Tumor Necrosis Factor-Receptor1 (TNF-R1) Polyclonal Antibody

ORDERING INFORMATION

Catalog Number	Quantity
11062-200	200ug

SPECIFICATION SUMMARY

Antigen: A synthetic peptide corresponding to a portion of mouse TNF-R1. This sequence is completely conserved in rat and human. Accession no. P25118.

Host Species: Rabbit.

Format: Peptide affinity purified.

Formulation: In PBS containing 50% glycerol and 0.09% sodium azide.

BACKGROUND

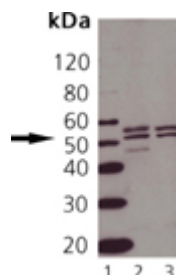
Tumor necrosis factor alpha (TNF- α), also known as cachetin, is a member of the TNF superfamily of cytokines that is a potent lymphoid factor with effects on a wide range of target cells. TNF exerts proinflammatory signals via binding and inducing trimerization of TNF-receptor 1 (TNF-R1) expressed on most normal and transformed cells. TNF signaling regulates hematopoiesis, differentiation, endothelial cell activation, apoptosis, lipid metabolism, tumor progression, and immune surveillance. Dysregulation of TNF or its receptors is implicated in numerous diseases including cancer, osteoporosis, autoimmune disease, diabetes, and atherosclerosis.

SPECIFICITY

This antibody detects a 55kDa protein on heat shocked HeLa cell lysate SDS-PAGE immunoblots, corresponding to the molecular weight of TNF-R1. This antibody reacts with human, mouse, rat, hamster, bovine, rabbit, monkey, sheep, canine, pig, *Drosophila*, *Xenopus*, and yeast TNF-R1.

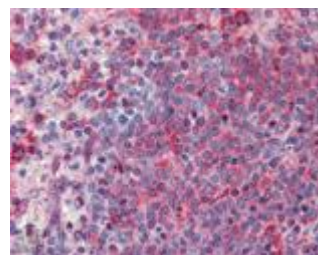
APPLICATIONS

Western Blot: 1ug/ml



Western blot analysis of TNF-R1: Lane 1 MW markers, Lane 2 Heat-shocked HeLa cell lysate, Lane 3 Jurkat cell lysate.

Immunohistochemistry(paraffin): 1-10ug/ml



Human spleen tissue stained with #11062-200 at 10ug/ml.

Immunoprecipitation: 12.5ug/ml

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

STORAGE AND STABILITY

Store frozen product at or below -20°C. Thawed product may be stored for 2-4 weeks at 4°C. For optimal storage, aliquot and store at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.