TNF-R1 Polyclonal Antibody

E90033

Catalog Number: E90033
Amount: 100ul
Background: TNF-α is an important cytokine produced by numerous cell types including neutrophils, activated lymphoctyes, macrophages an NK cells. It plays a critical role in inflammatory responses and in apoptosis (1). TNF-α exists as a membrane-anchored and soluble form, both of which show biological activity. Response to TNF-α is mediated through two receptors, TNF-R1, which is widely expressed, and TNF-R2, which is expressed mainly in immune and endothelial cells (2). Antagonists to TNF-α have been validated as therapeutic targets for rheumatoid arthritis and other immune disorders (3). The two receptors for TNF-α, TNF-R1 (55 kDa) and TNF-R2 (75 kDa) can mediate distinct cellular responses (4,5). In most cases cytotoxicity elicited by TNF has been reported to act through TNF-R1 (6,7). Cytotoxicity is mediated by a "death domain" with the intracellular region of the receptor that binds to the death domain adaptor protein TRADD and triggers the activation of caspases (8). Soluble forms of both receptors have also been characterized which can bind TNF-α and may play an important role in immune disorders (9,10).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: TNF R1 ; TNFRSF1A; TNFR1; CD120a; TNF R55; FPF
Immunogen: Recombinant protein of human TNF-R1
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 50kDa
Swiss-Prot No. : P19438
Gene ID: 7132
References: 1. Aggarwal, B.B. (2003) Nat Rev Immunol 3, 745-56. 2. Locksley, R.M. et al. (2001) Cell 104, 487-501. 3. Taylor, P.C. et al. (2004) Curr Opin Biotechnol 15, 557-63. 4. Tartaglia, L.A. et al. (1991) Proc Natl Acad Sci USA 88, 9292-6. 5. Peschon, J.J. et al. (1998) J Immunol 160, 943-52. 6. Tartaglia, L.A. et al. (1993) Cell 73, 213-6. 7. Rothe, J. et al. (1993) Nature 364, 798-802. 8. Chen, G. and Goeddel, D.V. (2002) Science 296, 1634-5. 9. Humbert, M. et al. (1994) Am J Respir Crit Care Med 149, 1681-5. 10. Schröder, J. et al. Infection 23, 143-8.

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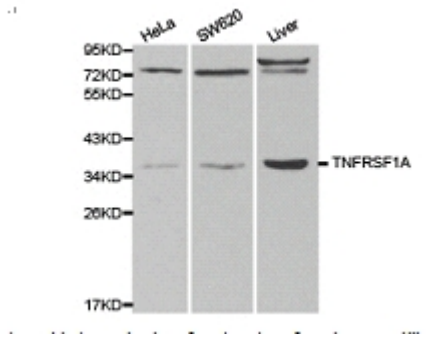
WB 1:500 - 1:2000

IHC 1:50 - 1:200



Western blot analysis of extracts of various celllines, using TNFRSF1A antibody.

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