
Anti-TNFR2

Cat #: HM1374
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Tumor Necrosis Factor (TNF) is a cytokine whose function is mediated through two distinct cell surface receptors: TNFR 1 and TNFR 2. They belong to the TNF receptor superfamily, which also includes FAS, CD30, CD27 and CD40. The members of this superfamily are type I membrane proteins that share sequence homology in the extracellular region. TNF-R1 and TNF-R2 lack sequence homology in the intracellular domains, suggesting that they differ in their internal signal transduction pathways. TNF-R II (p75, CD120b) is present in immune cell types (including monocytes, endothelial cells, Langerhans cells, and macrophages). TNF-R2 is shown to be responsible for stimulation of activated T-lymphocytes by TNF alpha. TNF-R2 mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. c-IAP1 potentiates TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals.

SPECIFICITY

This antibody reacts with TNF-R2 of mouse, rat and human origin. It can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of TNF-R2: 75 kDa.

IMMUNOGEN

Recombinant protein corresponding to the intracellular domain of human TNF-R2.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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