



TNFRSF10B Polyclonal Antibody

E91236

Catalog Number: E91236

Amount: 100ul

Background: The tumor necrosis factor receptor family, which includes TNF-RI, Fas, DR3, DR4, DR5, and DR6, plays an important role in the regulation of apoptosis in various physiological systems (1,2). The receptors are activated by a family of cytokines that include TNF, FasL, and TRAIL. They are characterized by a highly conserved extracellular region containing cysteine-rich repeats and a conserved intracellular region of about 80 amino acids termed the death domain (DD). The DD is important for transducing the death signal by recruiting other DD containing adaptor proteins (FADD, TRADD, RIP) to the death-inducing signaling complex (DISC), resulting in activation of caspases. DR5 is a receptor for TNF-related apoptosis inducing ligand (TRAIL), which has been shown to induce apoptosis in a variety of cell types and has been targeted for cancer therapy (1-5). Structurally, DR5 contains an amino-terminal leader cleavage site followed by an extracellular region containing two cysteine-rich repeats, then a cytoplasmic transmembrane domain and a carboxy-terminal death domain. DR5 is expressed in a wide variety of tissues and is a transcriptional target for p53 (6-8). It induces apoptosis through a FADD-dependent pathway. Deletion of DR5 leads to resistance in TRAIL-mediated apoptosis as well as an abrogated response to DNA-damaging stimuli (9).

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: TNFRSF10B;CD262;DR5;KILLER;KILLER/DR5;TRAIL-R2;TRAILR2;TRICK2;TRICK2A;TRICK2B;TRICKB;ZTNFR5

Immunogen: Recombinant protein of human TNFRSF10B

Purification: Affinity purification

Reactivity: H

Applications: WB IHC

Molecular Weight: 48kDa

Swiss-Prot No. : O14763

Gene ID: 8795

References: 1. Nagata, S. (1997) Cell 88, 355-365. 2. Thorburn, A. (2004) Cell. Signal. 16, 139-144. 3. Wiley, S.R. et al. (1997) Immunity 3, 673-82. 4. Walczak, H. et al. (1997) EMBO J. 16, 5386-97. 5. Chaudhary, P.M. et al. (1997) Immunity 3, 821-30. 6. MacFarlane, M. et al. (1997) J. Biol. Chem. 272, 25417-20. 7. Wu, G.S. et al. (2000) Adv. Exp. Med. Biol. 465, 143-51. 8. Wu, G.S. et al. (1997) Nat. Genet. 17, 141-3. 9. Finnberg, N. et al. (2005) Mol. Cell Biol. 25, 2000-2005.

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