FasL Polyclonal Antibody

E90234

Catalog Number: E90234
Amount: 100ul
Background: Association of the receptor Fas with its ligand FasL triggers an apoptotic pathway that plays an important role in immune regulation, development, and progression of cancers (1,2). Loss of function mutation in either Fas (lpr mice) or FasL (gld mice) leads to lymphadenopathy and splenomegaly as a result of decreased apoptosis in CD4-CD8- T lymphocytes (3,4). FasL (CD95L, Apo-1L) is a type II transmembrane protein of 280 amino acids (runs at approximately 40 kDa upon glycosylation) that belongs to the TNF family, which also includes TNF-α, TRAIL, and TWEAK. Binding of FasL to its receptor triggers the formation of a death-inducing signaling complex (DISC) involving the recruitment of the adaptor protein FADD and caspase-8 (5). Activation of caspase-8 from this complex initiates a caspase cascade resulting in the activation of caspase-3 and subsequent cleavage of proteins leading to apoptosis. Unlike Fas, which is constitutively expressed by various cell types, FasL is predominantly expressed on activated T lymphocytes, NK cells, and at immune privileged sites (6). FasL is also expressed in several tumor types as a mechanism to evade immune surveillance (7). Similar to other members of the TNF family, FasL can be cleaved by metalloproteinases producing a 26 kDa trimeric soluble form (8,9).
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: FASLG;APT1LG1;CD178;CD95L;FASL;TNFSF6 ;
Immunogen: Recombinant proteinof human FasL
Purification: Affinity purification
Reactivity: H M R
Applications: WB
Molecular Weight: 31kDa
Swiss-Prot No. : P48023
Gene ID: 356
References: 1. Suda, T. et al. (1993) Cell 75, 1169-78. 2. Lee, H.O. and Ferguson, T.A. (2003) Cytokine Growth Factor Rev 14, 325-35. 3. Watanabe-Fukunaga, R. et al. (1992) Nature 356, 314-7. 4. Hahne, M. et al. (1995) Int Immunol 7, 1381-6. 5. Nagata, S. (1997) Cell 88, 355-65. 6. Green, D.R. and Ferguson, T.A. (2001) Nat Rev Mol Cell Biol 2, 917-24. 7. Walker, P.R. et al. (1997) J Immunol 158, 4521-4. 8. Kayagaki, N. et al. (1995) J Exp Med 182, 1777-83. 9. Tanaka, M. et al. (1995) EMBO J 14, 1129-35.

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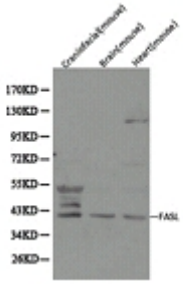
WB 1:500 - 1:2000



Western blot analysis of extracts from various mouse tissues, using FASL antibody.

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