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Anti-TNF-related apoptosis inducing ligand (TRAIL), Chicken-Polyclonal Antibody

Catalog No. PY-10027 Quantity: 100µg Applications tested: Western blot

Antigen species: Human Reactivity: Human

Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

TRAIL is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. preferentially protein induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/ TRAILR1, TNFRSF10B/TRAILR2, TNFRSF-10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/ TNFRSF11B/OPG that TRAILR4, and cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Antigen

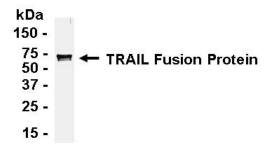
This polyclonal antibody was raised by immunizing chicken with TRAIL fusion protein (a.a.139-281).

Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:2,000, for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

Related Products

- 1. Anti-TEM1 pAb (GB-10374).
- 2. Anti-TEM2 pAb (GB-30131).
- 3. Anti-TEM3 pAb (GB-30132).
- 4. Anti-TEM4 pAb (GB-30133).
- 5. Anti-TEM5 pAb (GB-10011).



Western Blot Protocol:

- 1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
- 2. Incubate membrane with IgY antibodies at dilution of 1: 2,000 with 1% milk in PBS-T at R.T. for 1 h.
- 3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
- 4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1:1,000 for ECL (with 1%milk PBS-T) at R.T. for 1h.
- Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
- 6. Perform ECL detection of signal using Pierce ECL kit.

Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1 mg/ml (1xPBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

Schmaltz, C.; Alpdogan, O.; Kappel, B. J.; Muriglan, S. J.; Rotolo, J. A.; et al.: T cells require TRAIL for optimal graft-versus-tumor activity. Nature Med. 8: 1433-1437, 2002..

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