



Anti-CD30(Ki-1 antigen), Chicken-Polyclonal Antibody

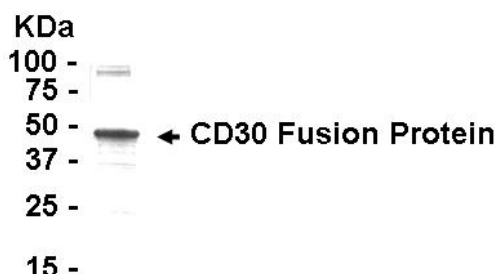
Catalog No. PY-10096
Antigen species: Human
Host species: Chicken

Quantity: 100 μ g
Reactivity: Human
Form: Antigen affinity-purified antibody

Applications: Western blot

Target description

CD30 is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity.



Antigen

This polyclonal antibody was raised by immunizing chicken with human CD30 fusion protein (171-226 amino acids).

Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1: 500, for tissue or cell staining is 1: 200. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-CD34, Chicken pAb (PY-10072)

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 1 h.
5. 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 1mg/ml (1 \times PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Kurts, C., Carbone, F.R., Krummel, M.F., Koch, K.M., Miller, J.F. A.P., Heath, W.R. : Signalling through CD30 protects against autoimmune diabetes mediated by CD8 T cells. *Nature* 398: 341-344, 1999.

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