

Anti-CD30/TNFRSF8 Antibody Picoband®

Catalog Number: RP1029

About TNFRSF8

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. 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. This gene is mapped to 1p36.22. CD30 is expressed in embryonal carcinoma but not in seminoma and is thus a useful marker in distinguishing between these germ cell tumors. CD30 mast cell activation represents an IgE-independent activation pathway, which is important for understanding cutaneous inflammation associated with mast cells. In addition to those, CD30 is also associated with anaplastic large cell lymphoma.

Overview

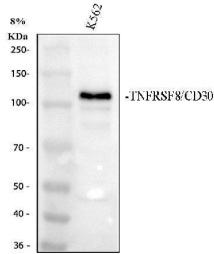
Product Name	Anti-CD30/TNFRSF8 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-CD30/TNFRSF8 Antibody catalog # RP1029. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28908

Technical Details

Immunogen	E.coli-derived human CD30 recombinant protein (Position: T322-K595). Human CD30 shares 60% and 57% amino acid (aa) sequences identity with mouse and rat CD30, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-CD30/TNFRSF8 Antibody Picoband® (RP1029) Images



Western blot analysis of CD30 using anti-CD30 antibody (RP1029). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD30 antigen affinity purified polyclonal antibody (RP1029) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054) at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CD30 at approximately 110 kDa. The expected band size for CD30 is at 64 kDa.

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Anti-CD30/TNFRSF8 Antibody

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