

Anti-NR2F6 Antibody Picoband®

Catalog Number: PB10081

About NR2F6

Nuclear receptor subfamily 2 group F member 6 is a protein that in humans is encoded by the NR2F6 gene. It is a member of the nuclear receptor family of intracellular transcription factors. It has been shown to function as a coregulator of other nuclear receptors. NR2F6 impairs the formation of mature red blood cells in animals that over-express NR2F6 in their bone marrow. Mice that over expression of NR2F6 in their bone marrow cells have a block at the pro-erythroblast stage of blood cell development both in the bone marrow and in the spleen of animals that have excessive expression of NR2F6. So, when inhibition of differentiation of stem cell is desired, inhibition of differentiation is achieved through induction of increased NR2F6 activity. In situations where differentiation of stem cells into a cell of increased maturity is desired, inhibition of NR2F6 activity must be performed.

Overview

Product Name	Anti-NR2F6 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-NR2F6 Antibody Picoband® catalog # PB10081. Tested in WB applications. This antibody reacts with Human, Rat. 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 antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P10588

Technical Details

Immunogen	E. coli-derived human NR2F6 recombinant protein (Position: M270-Q404). Human NR2F6 shares 99.3% amino acid (aa) sequence identity with both mouse and rat NR2F6.
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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, Rat

Anti-NR2F6 Antibody Picoband® (PB10081) Images



Western blot analysis of NR2F6 using anti-NR2F6 antibody (PB10081). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: HELA 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-NR2F6 antigen affinity purified polyclonal antibody (Catalog # PB10081) 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 at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NR2F6 at approximately 43 kDa. The expected band size for NR2F6 is at 43 kDa.

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Anti-NR2F6 Antibody

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