

Anti-NKX3-1 Antibody Picoband®

Catalog Number: A02709-4

About NKX3-1

This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of this gene is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this gene.

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Overview

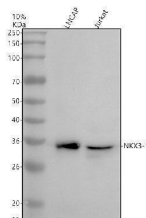
Product Name	Anti-NKX3-1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-NKX3-1 Antibody Picoband® catalog # A02709-4. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, 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, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q99801

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NKX3-1. Human NKX3-1 shares 78.9% amino acid (aa) sequence identity with mouse NKX3-1.
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, 0.25-0.5 ug/ml, Human

Anti-NKX3-1 Antibody Picoband® (A02709-4) Images



Western blot analysis of NKX3-1 using anti-NKX3-1 antibody (A02709-4). Electrophoresis was performed on a 10% 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 LNCAP whole cell lysates, Lane 2: human Jurkat 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-NKX3-1 antigen affinity purified polyclonal antibody (A02709-4) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for NKX3-1 at approximately 36 kDa. The expected band size for NKX3-1 is at 26 kDa.

Anti-NKX3-1 Antibody

For Research Use Only. Not for use in diagnostic procedures.