

Anti-HOXA9 Antibody Picoband®

Catalog Number: PB9216

About HOXA9

Homeobox protein Hox-A9 is a protein that in humans is encoded by the HOXA9 gene. It is mapped to 7p15.2. In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA9 is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. As HOXA9 is part of the homeobox family, involved in setting the body plans of animals, it is likely that HOXA9 would display increased expression in cells with higher differentiation potentials.

Overview

Product Name	Anti-HOXA9 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-HOXA9 Antibody Picoband® catalog # PB9216. 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 Na ₃ N. *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	P31269

Technical Details

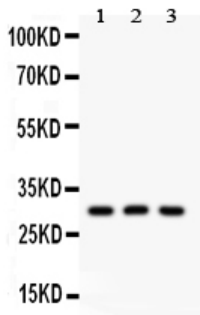
Immunogen	E.coli-derived human HOXA9 recombinant protein (Position: M1-R204). Human HOXA9 shares 98% amino acid (aa) sequence identity with mouse HOXA9.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	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-HOXA9 Antibody Picoband® (PB9216) Images



Anti-HOXA9 antibody, PB9216, Western blotting
All lanes:
Anti HOXA9 (PB9216) at 0.5ug/ml
WB: Recombinant Human HOXA9 Protein 0.5ng
Predicted bind size: 38KD
Observed bind size: 38KD



Anti-HOXA9 antibody, PB9216, Western blotting
All lanes:
Anti HOXA9 (PB9216) at 0.5ug/ml
Lane 1: Rat Testis Tissue Lysate at 50ug
Lane 2: HEPG2 Whole Cell Lysate at 40ug
Lane 3: HEPA Whole Cell Lysate at 40ug
Predicted bind size: 30KD
Observed bind size: 30KD

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Anti-HOXA9 Antibody

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