

## Anti-HOXA10 Antibody Picoband®

Catalog Number: PB9217

### About HOXA10

Homeobox protein Hox-A10 is a protein that in humans is encoded by the HOXA10 gene. HOXA10 is expressed in the adult human endometrium, and the expression of HOXA10 dramatically increased during the midsecretory phase of the menstrual cycle, corresponding to the time of implantation and increase in circulating progesterone. HOXA10 may have an important function in regulating endometrial development during the menstrual cycle and in establishing conditions necessary for implantation in the human. HOXA10 is also a master regulator of postnatal hematopoietic development whose tight regulation is required for normal development of erythroid and megakaryocytic lineages.

### Overview

Product Name	Anti-HOXA10 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-HOXA10 Antibody Picoband® catalog # PB9217. 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 <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg NaN <sub>3</sub> . *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	P31260

### Technical Details

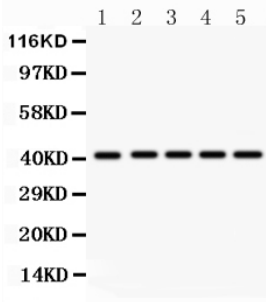
Immunogen	E.coli-derived human HOXA10 recombinant protein (Position: Y57-R340). Human HOXA10 shares 87% amino acid (aa) sequence identity with mouse HOXA10.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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-HOXA10 Antibody Picoband® (PB9217) Images



Anti-HOXA10 antibody, PB9217, Western blotting  
All lanes:  
Anti HOXA10 (PB9217) at 0.5ug/ml  
WB: Recombinant Human HOXA10 Protein 0.5ng  
Predicted bind size: 45KD  
Observed bind size: 45KD



Anti-HOXA10 antibody, PB9217, Western blotting  
All lanes:  
Anti HOXA10 (PB9217) at 0.5ug/ml  
Lane 1: Rat Kidney Tissue Lysate at 50ug  
Lane 2: Human Placenta Tissue Lysate at 50ug  
Lane 3: HELA Whole Cell Lysate at 40ug  
Lane 4: SW620 Whole Cell Lysate at 40ug  
Lane 5: HEPA Whole Cell Lysate at 40ug  
Predicted bind size: 41KD  
Observed bind size: 41KD

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Anti-HOXA10 Antibody

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