

**Anti-HOXA10 Picoband Antibody**  
**Catalog # ABO11908****Specification**

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**Anti-HOXA10 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P31260</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Homeobox protein Hox-A10(HOXA10) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-HOXA10 Picoband Antibody - Additional Information**

**Gene ID** 3206

**Other Names**

Homeobox protein Hox-A10, Homeobox protein Hox-1.8, Homeobox protein Hox-1H, PL, HOXA10, HOX1H

**Calculated MW**

42414 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Nucleus.

**Protein Name**

Homeobox protein Hox-A10

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived human HOXA10 recombinant protein (Position: Y57-R340). Human HOXA10 shares 87% amino acid (aa) sequence identity with mouse HOXA10.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

#### Sequence Similarities

Belongs to the Abd-B homeobox family.

### Anti-HOXA10 Picoband Antibody - Protein Information

**Name** HOXA10

**Synonyms** HOX1H

#### Function

Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds to the DNA sequence 5'-AA[AT]TTTTATTAC-3'.

#### Cellular Location

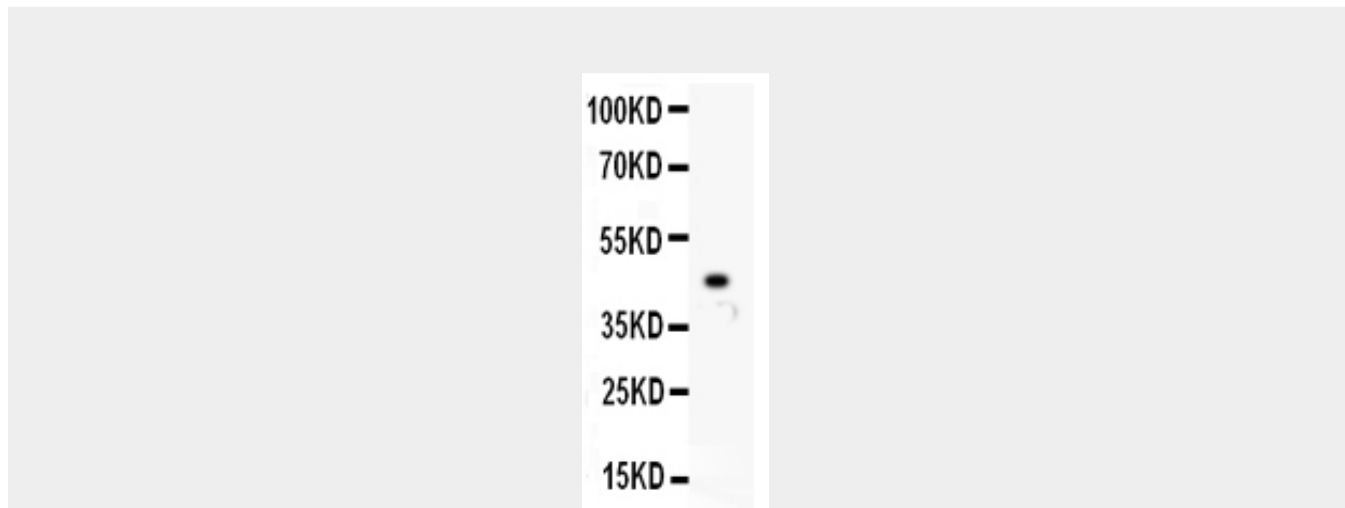
Nucleus.

### Anti-HOXA10 Picoband Antibody - Protocols

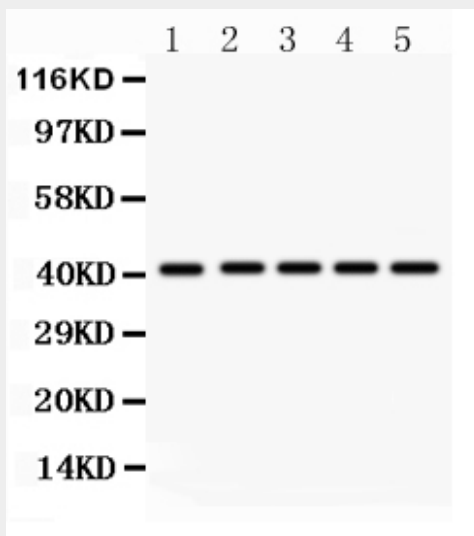
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-HOXA10 Picoband Antibody - Images



Anti- HOXA10 antibody, ABO11908, Western blottingAll lanes: Anti HOXA10 (ABO11908) at 0.5ug/mlWB: Recombinant Human HOXA10 Protein 0.5ngPredicted bind size: 45KDObserved bind size: 45KD



Anti- HOXA10 antibody, ABO11908, Western blottingAll lanes: Anti HOXA10 (ABO11908) at 0.5ug/mlLane 1: Rat Kidney Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at 40ugPredicted bind size: 41KDObserved bind size: 41KD

#### **Anti-HOXA10 Picoband Antibody - Background**

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.