

**Anti-HOXB1 Picoband Antibody**  
**Catalog # ABO13036****Specification**

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**Anti-HOXB1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P14653</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Homeobox protein Hox-B1(HOXB1) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-HOXB1 Picoband Antibody - Additional Information**

**Gene ID** 3211

**Other Names**

Homeobox protein Hox-B1, Homeobox protein Hox-2l, HOXB1, HOX2l

**Calculated MW**

32193 MW KDa

**Application Details**

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

**Subcellular Localization**

Nucleus.

**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**

A synthetic peptide corresponding to a sequence at the C-terminus of human HOXB1 (176-220aa TARTFDWMKVKNPPKTAKVSEPLGLSPGLRTNFTTRQLTELEK), different from the related mouse sequence by four amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C for one year. After r°Constitution,**

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.

### Anti-HOXB1 Picoband Antibody - Protein Information

**Name** HOXB1

**Synonyms** HOX2I

#### 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. Acts on the anterior body structures.

#### Cellular Location

Nucleus.

### Anti-HOXB1 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-HOXB1 Picoband Antibody - Images

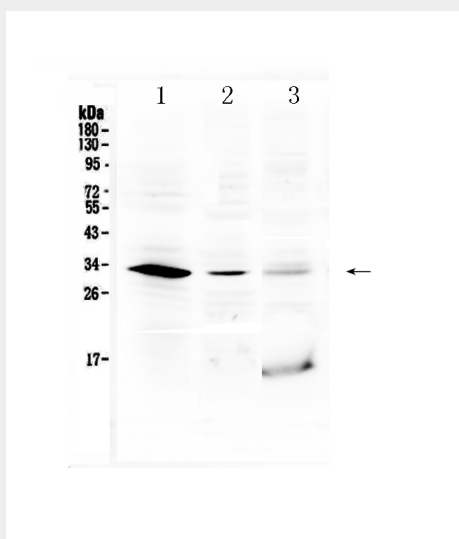


Figure 1. Western blot analysis of HOXB1 using anti-HOXB1 antibody (ABO13036).

**Anti-HOXB1 Picoband Antibody - Background**

Homeobox protein Hox-B1 is a protein that in humans is encoded by the HOXB1 gene. This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17.