

**Anti-HOXA6 Antibody**  
**Catalog # ABO10920****Specification**

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**Anti-HOXA6 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P31267</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Homeobox protein Hox-A6(HOXA6) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-HOXA6 Antibody - Additional Information**

**Gene ID** 3203

**Other Names**

Homeobox protein Hox-A6, Homeobox protein Hox-1B, HOXA6, HOX1B

**Calculated MW**

26339 MW KDa

**Application Details**

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

**Subcellular Localization**

Nucleus.

**Protein Name**

Homeobox protein Hox-A6

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human HOXA6(95-114aa KQRGPGDYLFHSPEQQYKPD), identical to the related rat and mouse sequences.

**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 Antp homeobox family.

**Anti-HOXA6 Antibody - Protein Information**

**Name** HOXA6

**Synonyms** HOX1B

**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.

**Cellular Location**

Nucleus.

**Anti-HOXA6 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-HOXA6 Antibody - Images**

Anti-HOXA6 antibody, ABO10920, Western blotting Lane 1: SW620 cell Lysate Lane 2: SW620 cell Lysate Lane 3: HELA cell Lysate Lane 4: HT1080 cell Lysate Lane 5: HT1080 cell Lysate

#### **Anti-HOXA6 Antibody - Background**

HOXA6(HOMEOBOX A6), also known as HOX1B, MOUSE or HOMOLOG OF, is a protein that in humans is encoded by the HOXA6 gene, which is also part of the A cluster on chromosome 7. HOXA6 encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Its cytogenetic location is 7q15.2. 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.