

Datasheet for ABIN1408310  
**anti-HOXA6 antibody (AA 171-233) (HRP)**



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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | HOXA6  |
| Binding Specificity: | AA 171-233   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This HOXA6 antibody is conjugated to HRP   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human HOXA6/HOX1B |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Human, Mouse, Rat   |
| Predicted Reactivity: | Dog, Sheep, Pig, Horse  |
| Purification:         | Purified by Protein A.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HOXA6  |
| Alternative Name: | HOXA6/HOX1B ( <a href="#">HOXA6 Products</a> ) |

## Target Details

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|             |   |
|-------------|---|
| Background: | <p>Synonyms: Homeo box 1B, Homeo box A6, Homeobox 1B, Homeobox A6, Homeobox protein Hox A6, Homeobox protein Hox-1B, Homeobox protein Hox-A6 antibody Homeobox protein HoxA6, HOX 1, Hox 1B, HOX1, HOX1.2, Hox1B, HOXA6, HX A6, HXA6, HXA6_HUMAN.</p> <p>Background: The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxA6 (homeobox A6), also known as HOX1B, is a 233 amino acid protein that localizes to the nucleus. Expressed during embryonic development, HoxA6 functions as a sequence-specific DNA-binding transcription factor that is part of a regulatory mechanism that provides cells with positional identities during development. Via its ability to bind DNA, HoxA6 plays an important role in the regulation of gene expression, as well as morphogenesis and differentiation. The gene encoding HoxA6 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5 % of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.</p> |
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## Application Details

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|--------------------|---|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions:      | For Research Use only                               |

## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C   |

## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months