

Datasheet for ABIN3044212
anti-HOXA3 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	HOXA3
Binding Specificity:	AA 427-443, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A3(HOXA3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human HOXA3(427-443aa HHPSQGRIQEAPKLTHL), identical to the related rat and mouse sequences.
Sequence:	HHPSQGRIQEAPKLTHL
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse, rat</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A3(HOXA3) detection. Tested with

Product Details

WB, IHC-P in Human, Mouse, Rat.

Gene Name: homeobox A3

Protein Name: Homeobox protein Hox-A3

Purification: Immunogen affinity purified.

Target Details

Target: HOXA3

Alternative Name: HOXA3 ([HOXA3 Products](#))

Background: HOXA3(HOMEBOX A3) is a protein that in humans is encoded by the HOXA3 gene, which is also part of the A cluster on chromosome 7. HOXA3 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. HOXA3 protein is able to complement Hoxd3 deficiency when expressed in the context of the Hoxd3 allele.

Synonyms: Homeo box 1E antibody|Homeo box A3 antibody|Homeobox 1E antibody|Homeobox A3 antibody|Homeobox protein HOX A3 antibody|Homeobox protein Hox-1E antibody|Homeobox protein Hox-A3 antibody|Homeobox protein HOXA3 antibody|Homeobox1E antibody|HomeoboxA3 antibody|HOX 1 antibody|Hox 1.5 like protein antibody|HOX 1E antibody|HOX A3 antibody|HOX1 antibody|Hox1.5 antibody|Hox1.5 like protein antibody|HOX1E antibody|HOXA 3 antibody|HOXA3 antibody|HXA3_HUMAN antibody|MGC10155 antibody

UniProt: [O43365](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

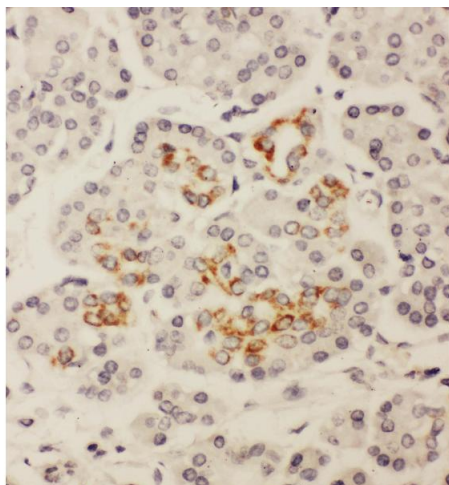
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



Western Blotting

Image 1. Anti-HOXA3 antibody, Western blotting All lanes:
Anti HOXA3 at 0.5ug/ml WB: SW620 Whole Cell Lysate at
40ug Predicted bind size: 46KD Observed bind size: 46KD



Immunohistochemistry

Image 2. Anti-HOXA3 antibody, IHC(P) IHC(P): Human
Pancreatic Cancer Tissue