



Datasheet for ABIN3042455
anti-HOXA9 antibody (AA 1-204)



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2 Images

Overview

Quantity:	100 µg
Target:	HOXA9
Binding Specificity:	AA 1-204
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A9(HOXA9) detection. Tested with WB in Human,Rat.
Immunogen:	E.coli-derived human HOXA9 recombinant protein (Position: M1-R204). Human HOXA9 shares 98% amino acid (aa) sequence identity with mouse HOXA9.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A9(HOXA9) detection. Tested with WB in Human,Rat. Gene Name: homeobox A9 Protein Name: Homeobox protein Hox-A9
Purification:	Immunogen affinity purified.

Target Details

Target:	HOXA9
Alternative Name:	HOXA9 (HOXA9 Products)
Background:	<p>Homeobox protein Hox-A9 is a protein that in humans is encoded by the HOXA9 gene. It is mapped to 7p15.2. 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. HOXA9 is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. As HOXA9 is part of the homeobox family, involved in setting the body plans of animals, it is likely that HOXA9 would display increased expression in cells with higher differentiation potentials.</p> <p>Synonyms: ABD-B antibody Abd-B, drosophila, homolog of antibody D6a9 antibody Homeobox 1G antibody Homeobox A9 antibody Homeobox protein Hox-1.7 antibody Homeobox protein Hox-1G antibody Homeobox protein Hox-A9 antibody Homeodomain protein HOXA9 antibody Hox-1.7 antibody Hox-1.7, mouse, homolog of antibody HOX1 antibody Hox1.7 antibody Hox1G antibody Hox1r5 antibody Hoxa-9 antibody Hoxa7 antibody HOXA9 antibody HOXA9/MSI2 fusion gene, included antibody HOXA9/NUP98 fusion gene, included antibody HXA9_HUMAN antibody MGC1934 antibody</p>
Gene ID:	3205
UniProt:	P31269

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for HOXA9 is approximately 0.2 ng/lane under reducing conditions.</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

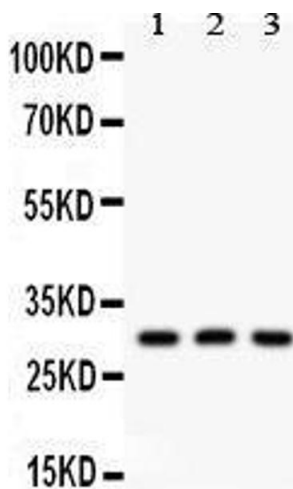
Handling

Format:	Lyophilized
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Handling

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 Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE 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.

Validation report #300033 for Immunohistochemistry (IHC)



Western Blotting

Image 1. Anti- HOXA9 antibody, Western blotting All lanes: Anti HOXA9 at 0.5ug/ml Lane 1: Rat Testis Tissue Lysate at 50ug Lane 2: HEPG2 Whole Cell Lysate at 40ug Lane 3: HEPA Whole Cell Lysate at 40ug Predicted bind size: 30KD Observed bind size: 30KD



Western Blotting

Image 2. Anti- HOXA9 antibody, Western blotting All lanes: Anti HOXA9 at 0.5ug/ml WB: Recombinant Human HOXA9 Protein 0.5ng Predicted bind size: 38KD Observed bind size: 38KD