

Anti-HOXA9 Picoband Antibody
Catalog # ABO11907**Specification**

Anti-HOXA9 Picoband Antibody - Product Information

Application	WB
Primary Accession	P31269
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Homeobox protein Hox-A9(HOXA9) detection. Tested with WB in Human;Rat.

Reconstitution

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

Anti-HOXA9 Picoband Antibody - Additional Information

Gene ID 3205

Other Names

Homeobox protein Hox-A9, Homeobox protein Hox-1G, HOXA9, HOX1G

Calculated MW

30172 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Nucleus.

Protein Name

Homeobox protein Hox-A9

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E.coli-derived human HOXA9 recombinant protein (Position: M1-R204). Human HOXA9 shares 98% amino acid (aa) sequence identity with mouse HOXA9.

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 Abd-B homeobox family.

Anti-HOXA9 Picoband Antibody - Protein Information

Name HOXA9

Synonyms HOX1G

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. Required for induction of SELE/E-selectin and VCAM1 on the endothelial cells surface at sites of inflammation (PubMed: [22269951](http://www.uniprot.org/citations/22269951)). Positively regulates EIF4E- mediated mRNA nuclear export and also increases the translation efficiency of ODC mRNA in the cytoplasm by competing with factors which repress EIF4E activity such as PRH (By similarity).

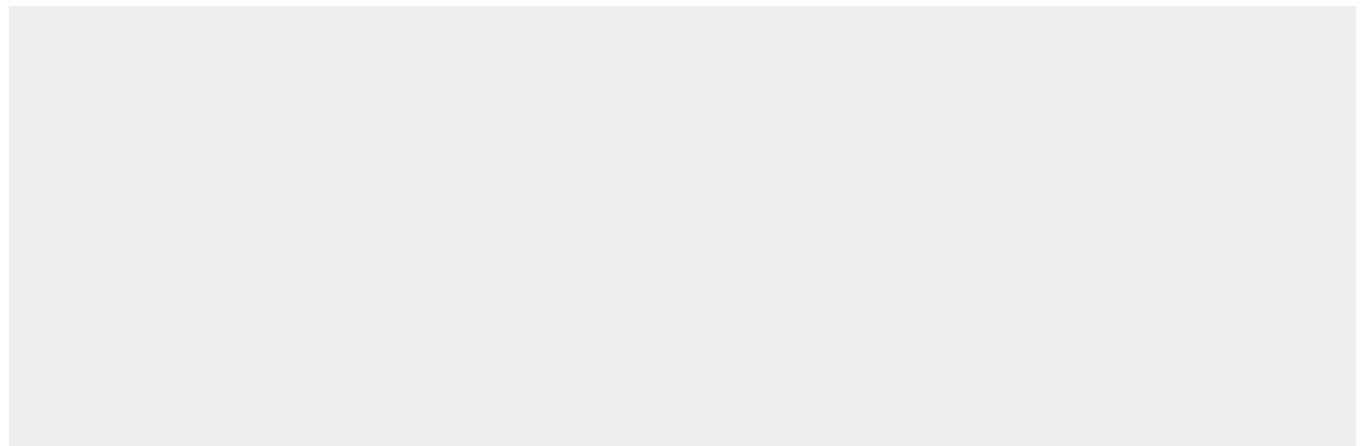
Cellular Location

Nucleus. Cytoplasm

Anti-HOXA9 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-HOXA9 Picoband Antibody - Images

100KD —
70KD —
55KD —
35KD —
25KD —
15KD —

Anti- HOXA9 antibody, ABO11907, Western blotting All lanes: Anti HOXA9 (ABO11907) at 0.5ug/ml WB: Recombinant Human HOXA9 Protein 0.5ng Predicted bind size: 38KD Observed bind size: 38KD

100KD —
70KD —
55KD —
35KD —
25KD —
15KD —

1 2 3

Anti- HOXA9 antibody, ABO11907, Western blotting All lanes: Anti HOXA9 (ABO11907) 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

Anti-HOXA9 Picoband Antibody - Background

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.