

Anti-HOXA11 Picoband Antibody
Catalog # ABO11909**Specification****Anti-HOXA11 Picoband Antibody - Product Information**

Application	WB
Primary Accession	P31270
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Homeobox protein Hox-A11(HOXA11) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

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

Anti-HOXA11 Picoband Antibody - Additional Information**Gene ID** 3207**Other Names**

Homeobox protein Hox-A11, Homeobox protein Hox-11, HOXA11, HOX11

Calculated MW

34486 MW KDa

Application Details

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

Subcellular Localization

Nucleus.

Protein Name

Homeobox protein Hox-A11

Contents

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

Immunogen

E.coli-derived human HOXA11 recombinant protein (Position: H74-R245). Human HOXA11 shares 95% amino acid (aa) sequence identity with mouse HOXA11.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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-HOXA11 Picoband Antibody - Protein Information**Name** HOXA11**Synonyms** HOX11**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.

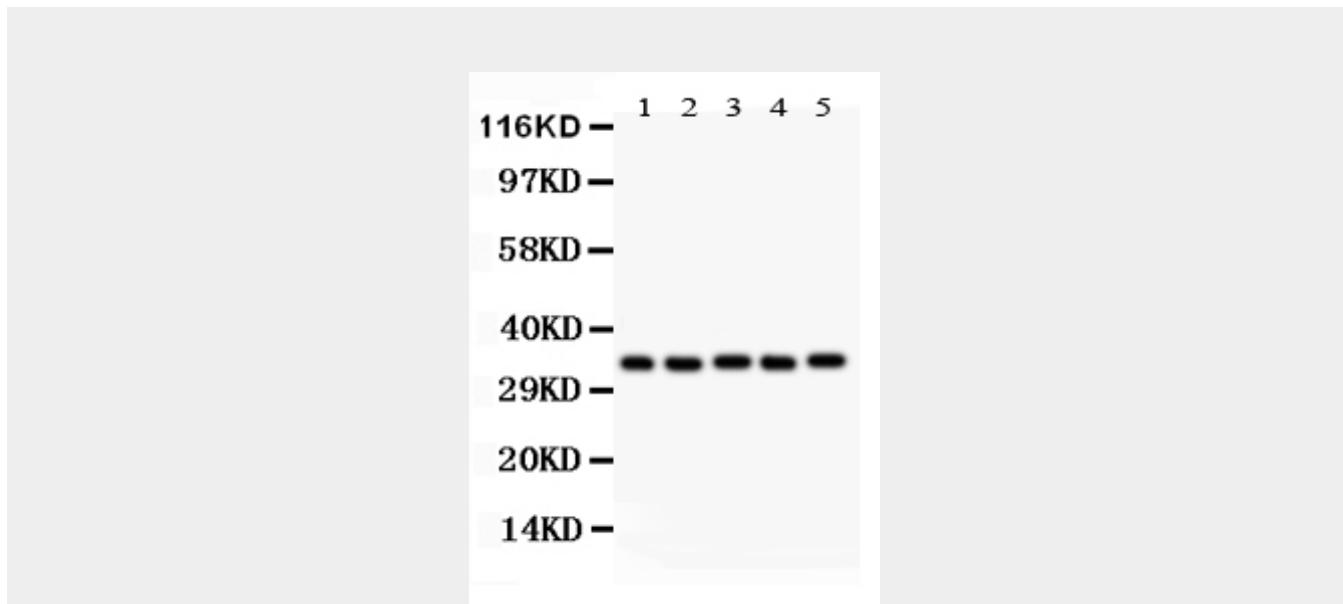
Cellular Location

Nucleus.

Anti-HOXA11 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-HOXA11 Picoband Antibody - Images

Anti- HOXA11 antibody, ABO11909, Western blottingAll lanes: Anti HOXA11 (ABO11909) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugLane 3: HLEA Whole Cell Lysate at 40ugLane 4: HT1080 Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at 40ugPredicted bind size: 35KDObserved bind size: 35KD



100KD-
70KD-
55KD-
35KD-
25KD-
15KD-

Anti- HOXA11 antibody, ABO11909, Western blottingAll lanes: Anti HOXA11 (ABO11909) at 0.5ug/mlWB: Recombinant Human HOXA11 Protein 0.5ngPredicted bind size: 38KDObserved bind size: 38KD

Anti-HOXA11 Picoband Antibody - Background

Homeobox protein Hox-A11 is a protein that in humans is encoded by the HOXA11 gene. It is mapped to 7p15.2. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is involved in the regulation of uterine development and is required for female fertility. HOXA11 is essential for the development of the uterosacral ligaments, it has been found that women with pelvic organ prolapse may have weakened connective tissue due to changes in this signaling pathway. Mutations in this gene can cause radio-ulnar synostosis with amegakaryocytic thrombocytopenia.