

Datasheet for ABIN3042454
anti-Homeobox A11 antibody (AA 74-245)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	Homeobox A11 (HOXA11)
Binding Specificity:	AA 74-245
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Homeobox A11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A11(HOXA11) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	E.coli-derived human HOXA11 recombinant protein (Position: H74-R245). Human HOXA11 shares 95% amino acid (aa) sequence identity with mouse HOXA11.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A11(HOXA11) detection. Tested with WB in Human,Mouse,Rat. Gene Name: homeobox A11 Protein Name: Homeobox protein Hox-A11
Purification:	Immunogen affinity purified.

Target Details

Target:	Homeobox A11 (HOXA11)
Alternative Name:	HOXA11 (HOXA11 Products)
Background:	<p>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.</p> <p>Synonyms: Homeo box 1I antibody Homeo box A11 antibody Homeobox A11 antibody Homeobox protein Hox A11 antibody Homeobox protein Hox-1I antibody Homeobox protein Hox-A11 antibody Homeobox protein HOXA11 antibody Hox 1I antibody Hox-1I antibody HOX1 antibody HOX1I antibody HOXA11 antibody HXA11_HUMAN antibody</p>
Gene ID:	3207
UniProt:	P31270

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for HOXA11 is approximately 0.25 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

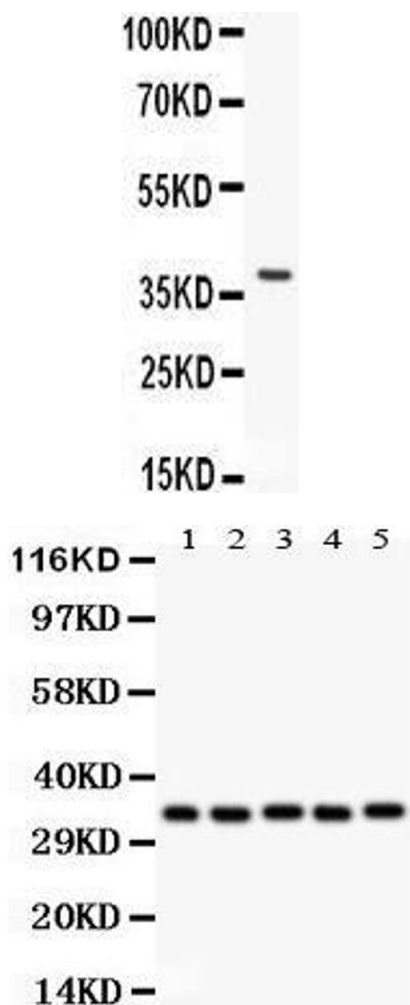
Handling

Format:	Lyophilized
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 Sodium azide.
Preservative:	Sodium azide

Handling

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.

Images



Western Blotting

Image 1. Anti- HOXA11 antibody, Western blotting All lanes: Anti HOXA11 at 0.5ug/ml WB: Recombinant Human HOXA11 Protein 0.5ng Predicted bind size: 38KD Observed bind size: 38KD

Western Blotting

Image 2.