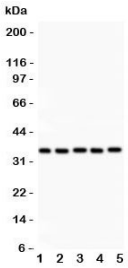
HOXA11 Antibody (R31631)

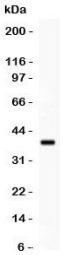
Catalog No.	Formulation	Size
R31631	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

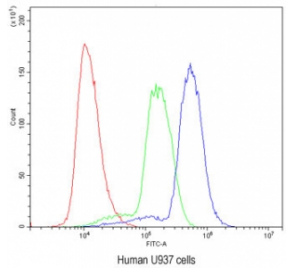
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	3207
Applications	Western blot: 0.5-1ug/ml FACS: 1-3ug/10^6 cells
Limitations	This HOXA11 antibody is available for research use only.



Western blot testing of HOXA11 antibody and Lane 1: rat brain; 2: human placenta; 3: human HeLa; 4: (h) HT1080; 5: mouse HEPA lysate. Expected molecular weight: ~35 kDa.



Western blot testing of HOXA11 antibody and recombinant human protein (0.5ng)



Flow cytometry testing of human U937 cells with HOXA11 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOXA11 antibody.

Description

Homeobox protein 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HOXA11 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 74-245) was used as the immunogen for this HOXA11 antibody.

Storage

After reconstitution, the HOXA11 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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