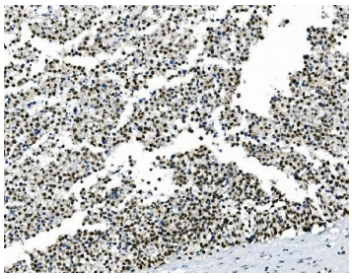
HOXD11 Antibody (RQ5818)

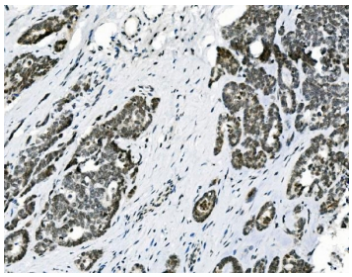
Catalog No.	Formulation	Size
RQ5818	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P31277
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytyometry: 1-3ug/million cells Immunofluorescence: 2-4ug/ml
Limitations	This HOXD11 antibody is available for research use only.



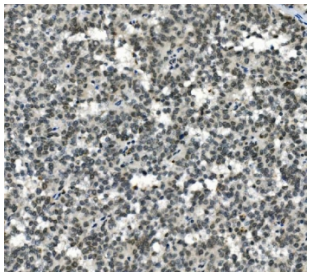
IHC staining of FFPE human testis cancer with HOXD11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



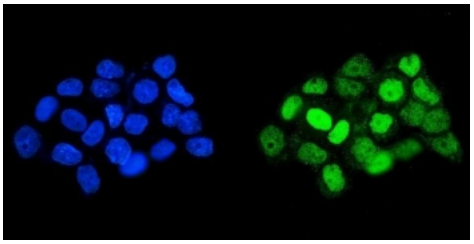
IHC staining of FFPE human ovarian cancer with HOXD11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



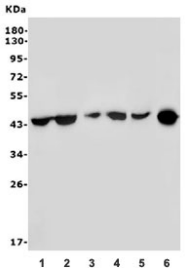
IHC staining of FFPE human skin cancer with HOXD11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



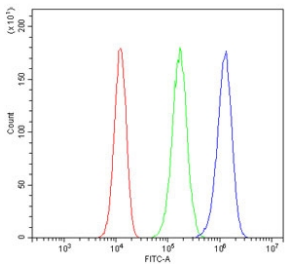
IHC staining of FFPE human melanoma with HOXD11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



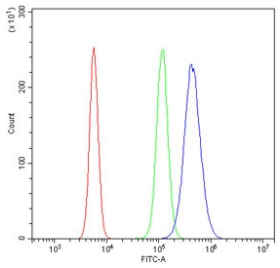
Immunofluorescent staining of FFPE human A431 cells with HOXD11 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



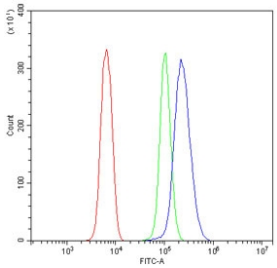
Western blot testing of human 1) K562, 2) HEK293, 3) U-87 MG, 4) A431, 5) A549 and 6) mouse kidney lysate with HOXD11 antibody. Predicted molecular weight ~45 kDa.



Flow cytometry testing of human 293T cells with HOXD11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOXD11 antibody.



Flow cytometry testing of mouse RAW264.7 cells with HOXD11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOXD11 antibody.



Flow cytometry testing of rat NRK cells with HOXD11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOXD11 antibody.

Description

Homeobox protein Hox-D11 is a protein that in humans is encoded by the HOXD11 gene. This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. The product of the mouse Hoxd11 gene plays a role in forelimb morphogenesis.

Application Notes

Optimal dilution of the HOXD11 antibody should be determined by the researcher.

Immunogen

Amino acids VREVAFRDYGLERAKWPYR from the human protein were used as the immunogen for the HOXD11 antibody.

Storage

After reconstitution, the HOXD11 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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