
Summary

Production Name	HoxA11/D11 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF, WB, IHC, ELISA
Reactivity	Human, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HOXA11/HOXD11
Alternative Names	HOXA11; HOX11; Homeobox protein Hox-A11; Homeobox protein Hox-11; HOXD11; HOX4F; Homeobox protein Hox-D11; Homeobox protein Hox-4F
Gene ID	3207/3237
SwissProt ID	P31270/P31277. The antiserum was produced against synthesized peptide derived from human HOXA11/D11. AA range:216-265

Application

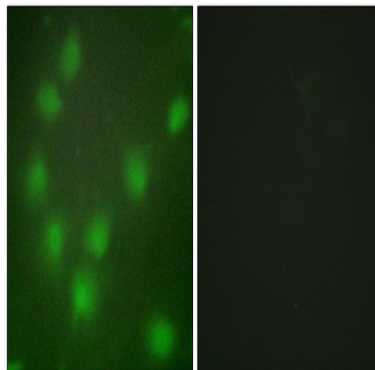
Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	28kD

Background

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. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is involved in the regulation of uterine development and is required for female fertility. Mutations in this gene can cause radio-ulnar synostosis with amegakaryocytic thrombocytopenia. [provided by RefSeq, Jul 2008],disease:Defects in HOXA11 are the cause of radioulnar synostosis with amegakaryocytic thrombocytopenia [MIM:605432]. The syndrome consists of an unusual association of bone marrow failure and skeletal defects. Patients have the same skeletal defects, the proximal fusion of the radius and ulna, resulting in extremely limited pronation and supination of the forearm. Some patients have also symptomatic thrombocytopenia, with bruising and bleeding problems since birth, necessitating correction by bone marrow or umbilical-cord stem-cell transplantation.,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.,similarity:Belongs to the Abd-B homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,

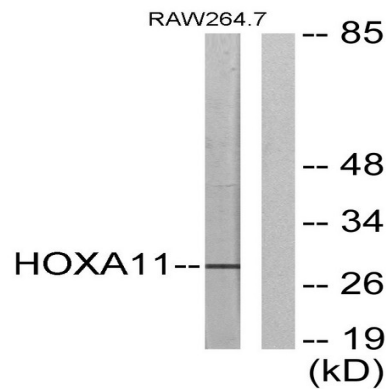
Research Area

Image Data

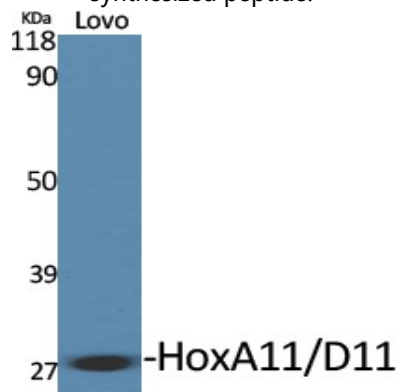


Immunofluorescence analysis of HUVEC cells, using HOXA11/D11 Antibody. The picture on the right is blocked with the synthesized peptide.

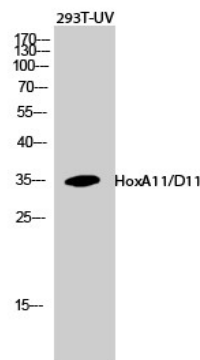
Product Name: HoxA11/D11 Rabbit Polyclonal Antibody
Catalog #: APRab12166



Western blot analysis of lysates from RAW264.7 cells, using HOXA11/D11 Antibody. The lane on the right is blocked with the synthesized peptide.

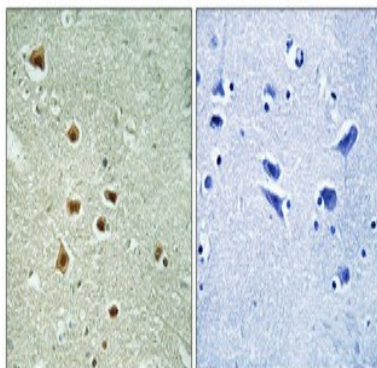


Western Blot analysis of various cells using HoxA11/D11 Polyclonal Antibody diluted at 1: 500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



Western Blot analysis of 293T-UV cells using HoxA11/D11 Polyclonal Antibody diluted at 1: 500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.