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HOXA11 Rabbit pAb

Catalog # AP97379

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P31270
Other Accession	P31270
Reactivity	Rat
Predicted	Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34486
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXA11
Epitope Specificity	235-315
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the Abd-B homeobox family.Contains 1 homeobox DNA-binding domain.
DISEASE	Defects in HOXA11 are the cause of radioulnar synostosis with amegakaryocytic thrombocytopenia (RSAT) [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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	3207
Other Names	HOX1; HOX1I; RUSAT1; Hox-1.9; Hoxa-11; HXA11_HUMAN; HOXA11; Homeobox protein Hox-1I; HXA11_MOUSE; Homeobox protein Hox-1.9; Q3V026_MOUSE; homeobox A11; homeo box A11

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HOXA11
Synonyms	HOX1I
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.