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HOXA9 Rabbit pAb

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Catalog # AP58484

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P31269
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30172
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXA9
Epitope Specificity	275-272
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HOXA9 is a transcription factor with a central role in both haemopoiesis and leukaemia. High levels of HOXA9 expression in haemopoietic cells is a characteristic feature of acute myeloid leukaemia (AML), and may be sufficient to cause this disease. Overexpression of Hoxa 9 markedly expands hematopoietic stem cells. HOXA9 expression changes dramatically with age - a uniformly low level of expression during early adulthood is replaced by a frequently very high expression in adults over sixty.

Additional Information

Gene ID	3205
Other Names	Homeobox protein Hox-A9, Homeobox protein Hox-1G, HOXA9, HOX1G
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	HOXA9

Synonyms	HOX1G
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. Required for induction of SELE/E-selectin and VCAM1 on the endothelial cells surface at sites of inflammation (PubMed:22269951). Positively regulates EIF4E- mediated mRNA nuclear export and also increases the translation efficiency of ODC mRNA in the cytoplasm by competing with factors which repress EIF4E activity such as PRH (By similarity).
Cellular Location	Nucleus. Cytoplasm

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