

HOXA9 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58484

Specification

HOXA9 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P31269
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26, 30 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXA9
Epitope Specificity	275-272
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the Abd-B homeobox family. Contains 1 homeobox DNA-binding domain.
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.

HOXA9 Polyclonal Antibody - Additional Information

Gene ID 3205

Other Names

Homeobox protein Hox-A9, Homeobox protein Hox-1G, HOXA9, HOX1G

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

HOXA9 Polyclonal Antibody - 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

HOXA9 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HOXA9 Polyclonal Antibody - Images