

For Research Use Only

HOXA9 Polyclonal antibody

Catalog Number: 18501-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 18501-1-AP	GenBank Accession Number: BC010023	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 3205	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB IHC 1:500-1:2000
Source: Rabbit	Full Name: homeobox A9	
Isotype: IgG	Calculated MW: 30 kDa	
Immunogen Catalog Number: AG13350	Observed MW: 40 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : EC109 cells, mouse colon tissue IP : mouse appendix tissue, IHC : mouse skin tissue,
Cited Applications: ChIP, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

HOXA9, also known as HOX1G, belongs to the Abd-B homeobox family and transiently interacts with PRMT5 in TNF- α stimulated endothelial cells. HOXA9 is methylated on Arg-140 by PRMT5 and methylation is critical for E-selectin induction. HOXA9 as a sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. HOXA9 is required for induction of E-selectin and VCAM-1, on the endothelial cells surface at sites of inflammation. HOXA9 is 30 kDa, but methylation of HOXA9 is about 35-40 kDa. (PMID: 10082572)

Notable Publications

Author	Pubmed ID	Journal	Application
Tina Aumer	36089606	Clin Epigenetics	WB
Jinming Zhao	34877491	iScience	WB
Xiao-fei Li	36366735	J Int Med Res	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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