

For Research Use Only

HOXA9 Polyclonal antibody

Catalog Number: 18501-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

18501-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13350

GenBank Accession Number:

BC010023

GeneID (NCBI):

3205

UNIPROT ID:

P31269

Full Name:

homeobox A9

Calculated MW:

30 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IHC, chIP

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

Positive Controls:

WB : EC109 cells, mouse colon tissue

IP : mouse appendix tissue,

IHC : mouse skin tissue,

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 is 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

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

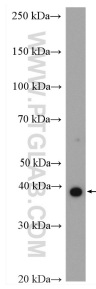
T: 4006900926

E: Proteintech-CN@ptglab.com

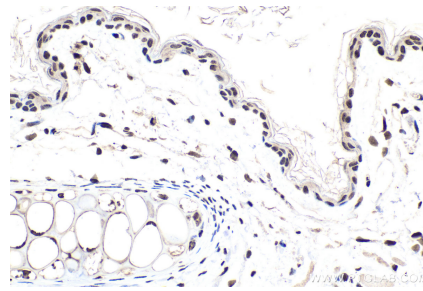
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

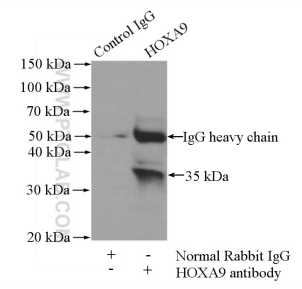
Selected Validation Data



EC109 cells were subjected to SDS PAGE followed by western blot with 18501-1-AP (HOXA9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 18501-1-AP (HOXA9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-HOXA9 (IP:18501-1-AP, 3ug; Detection:18501-1-AP 1:300) with mouse appendix tissue lysate 4000ug.