

For Research Use Only

HOXA9 Polyclonal antibody

Catalog Number: 18501-1-AP **4 Publications**



Basic Information

Catalog Number:

18501-1-AP

Size:

150UL, Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13350

GenBank Accession Number:

BC010023

GeneID (NCBI):

3205

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 IP and 1:200-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

ChIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse colon tissue, EC109 cells

IP: mouse appendix tissue,

Background Information

HOXA9, also known HOX1G, which 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
Yilan Jin	31043660	Sci Rep	ChIP
Fatih Kocabas	26221532	Cell Biosci	WB
Fujue Wang	32320859	Cell Signal	WB, ChIP

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

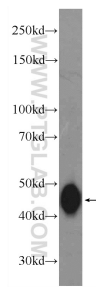
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

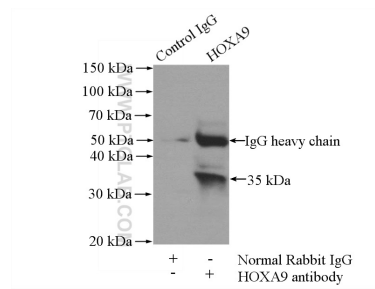
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



mouse colon tissue 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.



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