

For Research Use Only

# HOXA9 Polyclonal antibody

Catalog Number: 29978-1-AP



## Basic Information

Catalog Number:

29978-1-AP

Size:

150ul , Concentration: 950 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32309

GenBank Accession Number:

BC010023

GeneID (NCBI):

3205

UNIPROT ID:

P31269

Full Name:

homeobox A9

Calculated MW:

30 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

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

## Applications

Tested Applications:

IP, ELISA

Species Specificity:

Human

Positive Controls:

IP : HEK-293 cells,

## Background Information

Homeobox protein Hox-A9 (HOXA9) also known as HOX1G, a member of HOX family belonging to the HOXA cluster, is often studied in acute myeloid leukemia (AML), which is linked to proliferation, differentiation, and progenitor self-renewal maintenance. It is located in nucleoplasm and functions as a critical regulator of hematopoiesis, essential for the maintenance of hematopoietic stem cells and their differentiation into myeloid lineages (PMID: 34743404). Many post-transcriptional events including microRNAs, long non-coding RNAs, and epigenetic modification could also determine HOXA9 protein level and function (PMID: 36376832).

## 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

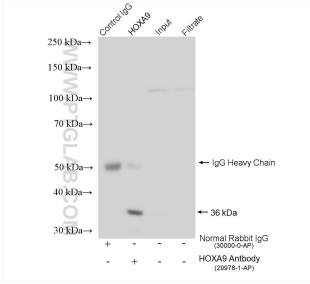
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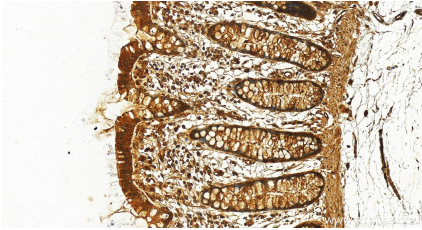
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Selected Validation Data



IP result of anti-HOXA9 (IP:29978-1-AP, 4ug; Detection:29978-1-AP 1:800) with HEK-293 cells lysate 1480 ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 29978-1-AP (HOXA9 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).