

# HOXA9 Polyclonal antibody

Catalog Number: 29978-1-AP

## Basic Information

**Catalog Number:**

29978-1-AP

**Size:**

950 ug/ml

**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

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, ELISA

**Species Specificity:**

human

**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:**

IP : HEK-293 cells,

IHC : human colon tissue,

## 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:**

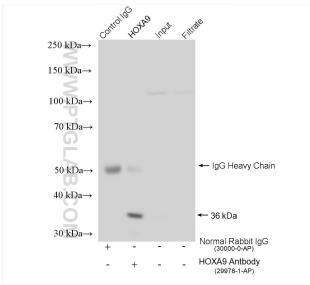
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

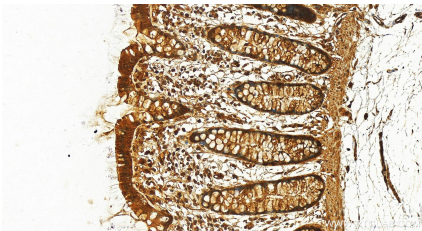
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).