

For Research Use Only

# RUNX3 Polyclonal antibody

Catalog Number: 27099-1-AP

3 Publications



## Basic Information

### Catalog Number:

27099-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24339

### GenBank Accession Number:

BC013362

### GeneID (NCBI):

864

### UNIPROT ID:

Q13761

### Full Name:

runt-related transcription factor 3

### Calculated MW:

44 kDa

### Observed MW:

45-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### 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: Jurkat cells,

IHC: mouse spleen tissue, human tonsillitis tissue, mouse small intestine tissue, rat small intestine tissue

## Background Information

RUNX3, also known as AML2, CBFA3 and PEBP2A3, is a member of the RUNX family of transcription factors, which are crucial regulators of embryonic development and play key roles in various biological processes such as cell proliferation, apoptosis, differentiation and lineage commitment (PMID: 38430423). This protein functions as a tumour suppressor and is frequently deleted or transcriptionally silenced in various cancers, including gastric and colon cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiong Guo	32721878	Mol Ther Nucleic Acids	WB
Jiayi Zhang	39547518	Biochim Biophys Acta Mol Basis Dis	IHC
Lei Zhang	37271222	Biochim Biophys Acta Mol Cell Res	WB

## 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

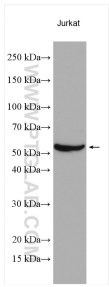
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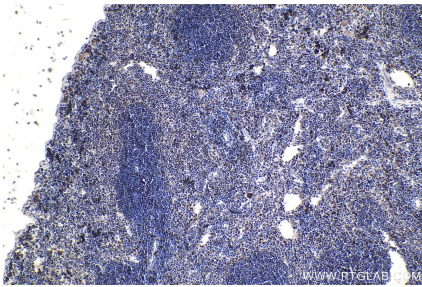
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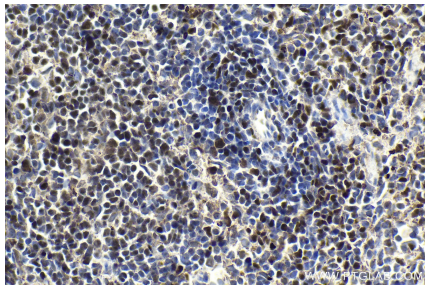
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 27099-1-AP (RUNX3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 27099-1-AP (RUNX3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 27099-1-AP (RUNX3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).