

For Research Use Only

# MLL4 Polyclonal antibody

Catalog Number: 31396-1-AP



## Basic Information

<b>Catalog Number:</b> 31396-1-AP	<b>GenBank Accession Number:</b> BC009337	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9757	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UMN6	
<b>Isotype:</b> IgG	<b>Full Name:</b> myeloid/Lymphoid or mixed-Lineage leukemia 4	
<b>Immunogen Catalog Number:</b> AG35385	<b>Observed MW:</b> 180kDa;320kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, HeLa cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> U2OS cells,

## Background Information

MLL4, also known as KMT2B, which is an essential subunit of the H3K4 methylation complexes, regulates cell type-specific transcriptional programs through enhancer activation. Taspase 1 mediates cleavage of the MLL protein, generating 320 kDa N-terminal (MLL-N) and 180 kDa C-terminal (MLL-C) fragments (PMID: 24213472).

## 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

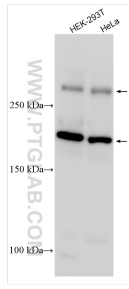
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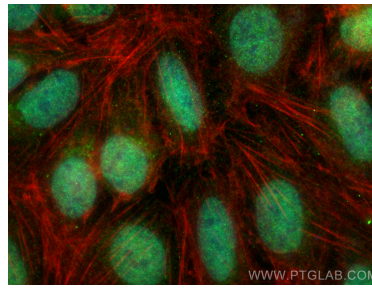
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31396-1-AP (MLL4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MLL4 antibody (31396-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).