

For Research Use Only

# KMT2C Polyclonal antibody

Catalog Number: 28437-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 28437-1-AP	<b>GenBank Accession Number:</b> NM_170606	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 58508	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> myeloid/lymphoid or mixed-lineage leukemia 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 541 kDa	
<b>Immunogen Catalog Number:</b> AG28875	<b>Observed MW:</b> 541kDa, 269 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells,
<b>Cited Applications:</b> ChIP, CoIP, IF, WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

Lysine (K)-specific methyltransferase 2C (KMT2C, also known as MLL3) belongs to the mixed-lineage leukemia (MLL) family of histone methyltransferases which methylate the histone 3 tail at lysine 4 (H3K4) as part of the complex proteins associated with Set 1 (COMPASS) complex. Although originally identified as oncogenic fusions in leukemia, genome-wide mutation studies have revealed frequent, presumably loss-of-function, mutations in various members of the MLL family, including MLL2/KMT2B, MLL3/KMT2C, and MLL4/KMT2D in a variety of malignancies, particularly solid tumors. Mechanistic studies of KMT2C in normal cells have focused primarily on its role in enhancer regulation by deposition of H3K4me1 marks.

## Notable Publications

Author	Pubmed ID	Journal	Application
Juan-Juan Li	34999393	Int Immunopharmacol	WB
Mingchuan Sun	37705061	Adv Sci (Weinh)	WB,IF,CoIP
Tanjing Song	36935008	J Biol Chem	ChIP

## Storage

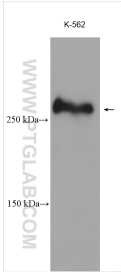
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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

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# Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 28437-1-AP (KMT2C antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.