

For Research Use Only

KMT2A Polyclonal antibody

Catalog Number: 29278-1-AP

3 Publications



Basic Information

Catalog Number:

29278-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30468

GenBank Accession Number:

NM_001197104

GeneID (NCBI):

4297

UNIPROT ID:

Q03164

Full Name:

myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)

Calculated MW:

432 kDa

Observed MW:

180 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, ChIP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: Jurkat cells, K-562 cells

Background Information

KMT2A, also known as mixed-lineage leukemia (MLL), is a gene that encodes a lysine methyltransferase responsible for the transcriptional activation through lysine 4 of histone 3 (H3K4) methylation. KMT2A is expressed mainly in the nucleus and is ubiquitously present in various tissues, particularly in ovary, lymph node, endometrium, thyroid, and brain tissue. It plays a significant role in embryonic development, hematopoiesis, and neurodevelopment. Mutations in KMT2A have been associated with several pathological conditions.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|------------------|-------------|
| Pawet Piatek | 38745328 | J Inflamm (Lond) | IF |
| Yali Qin | 38750719 | Cancer Lett | WB |
| Mai Abdel Mouti | 37709746 | Nat Commun | WB, 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

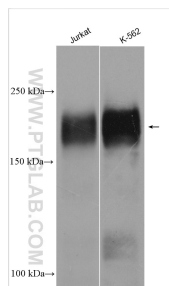
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29278-1-AP (MLL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.