

[KO Validated] KMT2A Rabbit pAb

Catalog No.: A1435 **KO Validated**

Basic Information

Observed MW

200kDa

Calculated MW

432kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a transcriptional coactivator that plays an essential role in regulating gene expression during early development and hematopoiesis. The encoded protein contains multiple conserved functional domains. One of these domains, the SET domain, is responsible for its histone H3 lysine 4 (H3K4) methyltransferase activity which mediates chromatin modifications associated with epigenetic transcriptional activation. This protein is processed by the enzyme Taspase 1 into two fragments, MLL-C and MLL-N. These fragments reassociate and further assemble into different multiprotein complexes that regulate the transcription of specific target genes, including many of the HOX genes. Multiple chromosomal translocations involving this gene are the cause of certain acute lymphoid leukemias and acute myeloid leukemias. Alternate splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

4297

Swiss Prot

Q03164

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 752-949 of human KMT2A (NP_005924.2).

Synonyms

HRX; MLL; ALL1; GAS7; HTRX; MLL1; TRX1; ALL-1; CXXC7; HTRX1; MLL1A; WDSTS; 2A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

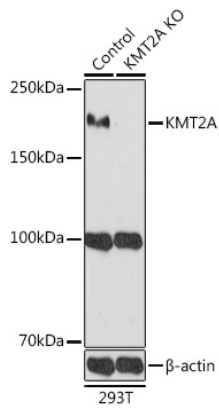
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and KMT2A knockout (KO) 293T cells, using [KO Validated] KMT2A Rabbit pAb (A1435) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.