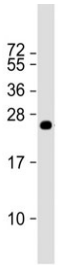
MLL3 Antibody / KMT2C [clone 1686CT202.60.69] (F55128)

Catalog No.	Formulation	Size
F55128-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55128-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1686CT202.60.69
UniProt	Q8NEZ4
Applications	Western blot: 1:500-1:1000
Limitations	This MLL3 antibody is available for research use only.



Western blot testing of a recombinant human partial protein with MLL3 antibody. Predicted molecular weight of the full length protein ~541 kDa.

Description

KMT2C (Lysine N-methyltransferase 2C), also called MML3 (Myeloid/lymphoid or mixed-lineage leukemia protein 3) is a histone methyltransferase, which means it adds methyl groups to histone proteins. This modification plays a critical role in controlling how genes are turned on and off. By regulating gene expression, KMT2C/MML3 can influence various cellular processes, including cell growth, differentiation, and death. Research has also shown that mutations in the KMT2C gene are associated with the development of certain types of cancer. For example, mutations in KMT2C have been found in breast cancer, colorectal cancer, and other types of tumors. In addition to its role in cancer, KMT2C/MML3 is also involved in DNA repair. This protein plays a crucial role in repairing damaged DNA, which is essential for maintaining

genomic stability and preventing the development of genetic mutations.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MLL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A recombinant human partial protein was used as the immunogen for the MLL3 antibody.

Storage

Aliquot the MLL3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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