



Anti- L3MBTL(Lethal(3)malignant brain tumor-like protein) Polyclonal Antibody

Category: Polyclonal Antibody

Catalog #: AB2D111

Antigen Synonym: KIAA0681, L3MBT, L3MBTL1

Species Reactivity: Human

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human L3MBTL(Lethal(3)malignant brain tumor-like protein)

Description: L3MBTL(Lethal(3)malignant brain tumor-like protein) is polycomb group (PcG) protein. PcG proteins maintain the transcriptionally repressive state of genes, probably via a modification of chromatin, rendering it heritably changed in its expressibility. L3MBTL participates in the ETV6-mediated repression. L3MBTL probably plays a role in cell proliferation. Overexpression induces multinucleated cells, suggesting that it is required to accomplish normal mitosis. L3MBTL interacts with ETV6 and is widely expressed. Expression is reduced in colorectal cancer cell line SW480 and promyelocytic leukemia cell line HL-60. In interphase cells, it is scattered throughout the nucleoplasm. In mitotic cells, it strongly associates with condensed chromosomes from the prophase to telophase.

Reference:

Koga,H., et al, Oncogene 18 (26), 3799-3809 (1999)
Bechtel,S., et al, BMC Genomics 8, 399 (2007)
Ishikawa,K., et al, DNA Res. 5 (3), 169-176 (1998)
Bocconi,P., et al, J. Biol. Chem. 278 (17), 15412-15420 (2003)
Wang,W.K., et al, Structure 11 (7), 775-789 (2003)

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