

L3MBTL1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21815c**Specification**

L3MBTL1 Blocking Peptide (Center) - Product InformationPrimary Accession [Q9Y468](#)**L3MBTL1 Blocking Peptide (Center) - Additional Information****Gene ID** 26013**Other Names**

Lethal(3)malignant brain tumor-like protein 1, H-l(3)mbt, H-l(3)mbt protein, L(3)mbt-like, L(3)mbt protein homolog, L3MBTL1, L3MBTL1, KIAA0681, L3MBT, L3MBTL

Target/Specificity

The synthetic peptide sequence is selected from aa 471-485 of HUMAN L3MBTL1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

L3MBTL1 Blocking Peptide (Center) - Protein Information**Name** L3MBTL1**Synonyms** KIAA0681, L3MBT, L3MBTL**Function**

Polycomb group (PcG) protein that specifically recognizes and binds mono- and dimethyllysine residues on target proteins, thereby acting as a 'reader' of a network of post-translational modifications. PcG proteins maintain the transcriptionally repressive state of genes: acts as a chromatin compaction factor by recognizing and binding mono- and dimethylated histone H1b/H1-4 at 'Lys-26' (H1bK26me1 and H1bK26me2) and histone H4 at 'Lys-20' (H4K20me1 and H4K20me2), leading to condense chromatin and repress transcription. Recognizes and binds p53/TP53 monomethylated at 'Lys-382', leading to repress p53/TP53- target genes. Also recognizes and binds RB1/RB monomethylated at 'Lys- 860'. Participates in the ETV6-mediated repression. Probably plays a role in cell proliferation. Overexpression induces multinucleated cells, suggesting that it is required to accomplish normal mitosis.

Cellular Location

Nucleus. Note=Excluded from the nucleolus. Does not colocalize with the PcG protein BMI1, suggesting that these two proteins do not belong to the same complex

Tissue Location

Widely expressed. Expression is reduced in colorectal cancer cell line SW480 and promyelocytic leukemia cell line HL-60.

L3MBTL1 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

L3MBTL1 Blocking Peptide (Center) - Images**L3MBTL1 Blocking Peptide (Center) - Background**

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L3MBTL1 Blocking Peptide (Center) - References

Koga H., et al. Oncogene 18:3799-3809(1999).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Deloukas P., et al. Nature 414:865-871(2001).
Ishikawa K., et al. DNA Res. 5:169-176(1998).