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L3MBTL3 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20376a

Specification

L3MBTL3 Blocking Peptide (N-term) - Product Information

Primary Accession Q96JM7

L3MBTL3 Blocking Peptide (N-term) - Additional Information

Gene ID 84456

Other Names
Lethal(3)malignant brain tumor-like protein 3, H-l(3)mbt-like protein 3, L(3)mbt-like protein 3, MBT-1, L3MBTL3, KIAA1798, MBT1

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.

L3MBTL3 Blocking Peptide (N-term) - Protein Information

Name L3MBTL3 (HGNC:23035)

Synonyms KIAA1798, MBT1

Function
Is a negative regulator of Notch target genes expression, required for RBPJ-mediated transcriptional repression (PubMed:29030483). It recruits KDM1A to Notch-responsive elements and promotes KDM1A-mediated H3K4me demethylation (PubMed:29030483). Involved in the regulation of ubiquitin-dependent degradation of a set of methylated non-histone proteins, including SOX2, DNMT1 and E2F1. It acts as an adapter recruiting the CRL4-DCAF5 E3 ubiquitin ligase complex to methylated target proteins (PubMed:30442713, PubMed:29691401). Required for normal maturation of myeloid progenitor cells (By similarity).

Cellular Location
Nucleus.

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L3MBTL3 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

L3MBTL3 Blocking Peptide (N-term) - Images

L3MBTL3 Blocking Peptide (N-term) - Background

Putative 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. Required for normal maturation of myeloid progenitor cells (By similarity).