

L3mbtl antibody - middle region Rabbit Polyclonal Antibody Catalog # Al11293

Specification

L3mbtl antibody - middle region - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Calculated MW WB A2A5N8 XM_485097, XP_485097 Human, Mouse, Rat, Rabbit, Horse, Dog Rabbit, Dog Rabbit Polyclonal 67kDa KDa

L3mbtl antibody - middle region - Additional Information

Gene ID 241764

Alias Symbol

C630004G01, KIAA0681, L3MBTL1, mKIAA0681, L3mbtl

Other Names

Lethal(3)malignant brain tumor-like protein 1, H-I(3)mbt, H-I(3)mbt protein, L(3)mbt-like, L(3)mbt protein homolog, L3mbt11, Kiaa0681, L3mbt, L3mbtI

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-L3mbtl antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions L3mbtl antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

L3mbtl antibody - middle region - 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, therey 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 (By similarity).

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 (By similarity).

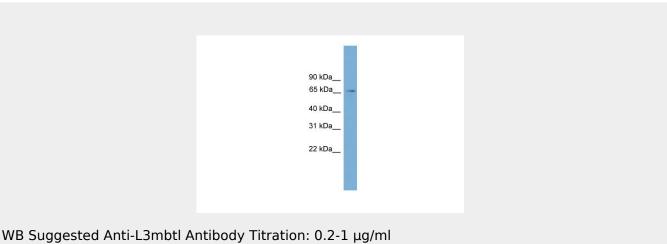
Tissue Location Highly expressed in brain, testis, eyes, and ES cells.

L3mbtl antibody - middle region - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

L3mbtl antibody - middle region - Images



Positive Control: Mouse Kidney