

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).

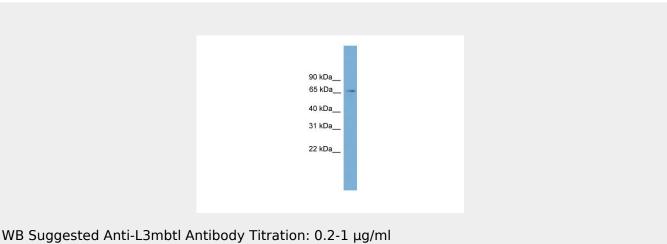
**Tissue Location** Highly expressed in brain, testis, eyes, and ES cells.

### 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