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L3MBTL antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11307

Specification

L3MBTL antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y468
Other Accession	NM_015478, NP_056293
Reactivity	**Human, Dog**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**86kDa KDa**

L3MBTL antibody - N-terminal region - Additional Information

Gene ID 26013

Alias Symbol	**DKFZp586P1522, FLJ41181, H-L(3)MBT, KIAA0681, L3MBTL1, dJ138B7.3, L3MBTL**

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

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 - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

L3MBTL antibody - N-terminal 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.

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

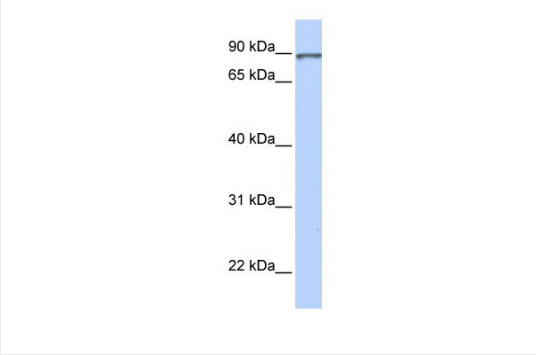
Tissue Location
Widely expressed. Expression is reduced in colorectal cancer cell line SW480 and promyelocytic leukemia cell line HL-60.

L3MBTL antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

L3MBTL antibody - N-terminal region - Images



WB Suggested Anti-L3MBTL Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Human brain

L3MBTL antibody - N-terminal region - References

Min,J., (2007) Nat. Struct. Mol. Biol. 14 (12), 1229-1230 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.