

### Anti-L3MBTL1 antibody ab97304

★★★★★ [1 Abreviews](#) [2 图像](#)

#### 概述

产品名称	Anti-L3MBTL1抗体
描述	兔多克隆抗体to L3MBTL1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant protein fragment corresponding to a region within amino acids 365 and 723 of L3MBTL.
阳性对照	293T, A431, H1299, HeLaS3, HepG2, MOLT4 or Raji cell lysate; ICC/IF: HeLa cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

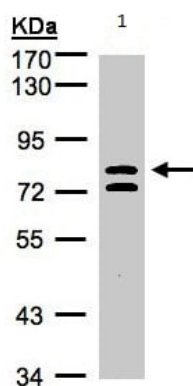
Abpromise™承诺保证使用ab97304于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 84 kDa.
ICC/IF	★★★★★ (1)	1/100 - 1/200.

靶标	
功能	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/HIST1H1E 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.
组织特异性	Widely expressed. Expression is reduced in colorectal cancer cell line SW480 and promyelocytic leukemia cell line HL-60.
序列相似性	Contains 1 C2HC-type zinc finger. Contains 3 MBT repeats. Contains 1 SAM (sterile alpha motif) domain.
发展阶段	In interphase cells, it is scattered throughout the nucleoplasm. In mitotic cells, it strongly associates with condensed chromosomes from the prophase to telophase.
结构域	The MBT repeat 2 specifically recognizes and binds monomethylated and dimethylated proteins. In contrast, it does not bind trimethylated proteins. The MBT repeat 1 does not bind methylated peptides but inserts a proline ring in a Pro-Ser-Ser/Thr sequence context.
细胞定位	Nucleus. Excluded from the nucleolus. Does not colocalizes with the PcG protein BMI1, suggesting that these two proteins do not belong to the same complex.

图片

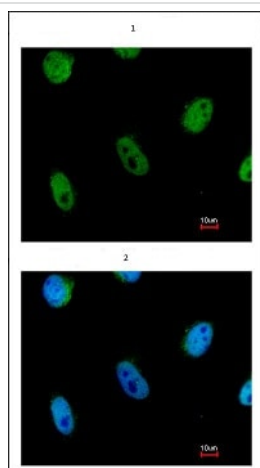


Western blot - Anti-L3MBTL1 antibody (ab97304)

Anti-L3MBTL1 antibody (ab97304) at 1/1000 dilution + HeLa S3 whole cell lysate at 30 µg

**Predicted band size:** 84 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-L3MBTL1 antibody (ab97304)

Images show immunofluorescence analysis of paraformaldehyde-fixed HeLa cells, using 1/200 ab97304 alone (1) or merged with DNA probe (2) .

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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