

Datasheet for ABIN6243755
anti-L3MBTL1 antibody (AA 451-485)[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	L3MBTL1
Binding Specificity:	AA 451-485
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This L3MBTL1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This L3MBTL1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 451-485 amino acids from the Central region of human L3MBTL1.
Clone:	RB53645
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	L3MBTL1
Alternative Name:	L3MBTL1 (L3MBTL1 Products)
Background:	Polycomb group (PcG) protein that specifically recognizes and binds mono- and dimethyllysine

Target Details

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.

Molecular Weight: 92297

UniProt: [Q9Y468](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

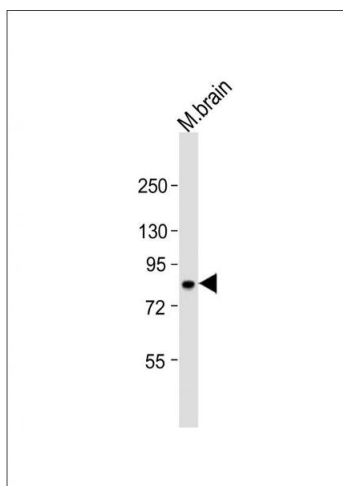
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Anti-L3MBTL1 Antibody (Center) at 1:2000 dilution + mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.