Datasheet for ABIN966472

anti-L3MBTL1 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	L3MBTL1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This L3MBTL1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human L3MBTL(Lethal(3)malignant brain tumor-like protein)

Target Details

Target:	L3MBTL1
Alternative Name:	L3MBTL (L3MBTL1 Products)
Background:	L3MBTL(Lethal(3)malignant brain tumor-like protein) is polycomb group (PcG) protein. PcG proteins maintain the transcriptionally repressive state of genes, probably via a modification of chromatin, rendering it heritably changed in its expressibility. L3MBTL participates in the ETV6-mediated repression. L3MBTL probably plays a role in cell proliferation. Overexpression induces multinucleated cells, suggesting that it is required to accomplish normal mitosis. L3MBTL

Target Details

	interacts with ETV6 and is widely expressed. Expression is reduced in colorectal cancer cell line SW480 and promyelocytic leukemia cell line HL-60. In interphase cells, it is scattered throughout the nucleoplasm. In mitotic cells, it strongly associates with condensed chromosomes from the prophase to telophase. Synonyms: KIAA0681, L3MBT, L3MBTL1
Pathways:	Chromatin Binding

Application Details

Restrictions:	For Research Use only

Handling

Storage:	4 °C

Publications

Product cited in:	Boccuni, MacGrogan, Scandura, Nimer: "The human L(3)MBT polycomb group protein is a transcriptional repressor and interacts physically and functionally with TEL (ETV6)." in: **The Journal of biological chemistry**, Vol. 278, Issue 17, pp. 15412-20, (2003) (PubMed). Wang, Tereshko, Boccuni, MacGrogan, Nimer, Patel: "Malignant brain tumor repeats: a three-leaved propeller architecture with ligand/peptide binding pockets." in: **Structure (London, England : 1993)**, Vol. 11, Issue 7, pp. 775-89, (2003) (PubMed). Koga, Matsui, Hirota, Takebayashi, Okumura, Saya: "A human homolog of Drosophila lethal(3)malignant brain tumor (l(3)mbt) protein associates with condensed mitotic chromosomes." in: **Oncogene**, Vol. 18, Issue 26, pp. 3799-809, (1999) (PubMed).