Datasheet for ABIN966471

anti-L3MBTL1 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	L3MBTL1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-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 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

Target Details

	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:	Van Meir, Roemer, Diserens, Kikuchi, Rempel, Haas, Huang, Friedmann, de Tribolet, Cavenee: " Single cell monitoring of growth arrest and morphological changes induced by transfer of wild-type p53 alleles to glioblastoma cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 92, Issue 4, pp. 1008-12, (1995) (PubMed). Jacquemier, Molès, Penault-Llorca, Adélaide, Torrente, Viens, Birnbaum, Theillet: "p53 immunohistochemical analysis in breast cancer with four monoclonal antibodies: comparison of staining and PCR-SSCP results." in: **British journal of cancer**, Vol. 69, Issue 5, pp. 846-52, (1994) (PubMed). Mørkve, Halvorsen, Stangeland, Gulsvik, Laerum: "Quantitation of biological tumor markers (p53, c-myc, Ki-67 and DNA ploidy) by multiparameter flow cytometry in non-small-cell lung cancer." in: **International journal of cancer. Journal international du cancer**, Vol. 52, Issue 6, pp. 851-5, (1993) (PubMed). van den Berg, Baas, Polak, Offerhaus: "Detection of p53 overexpression in routinely paraffin-embedded tissue of human carcinomas using a novel target unmasking fluid." in: **The American journal of pathology**, Vol. 142, Issue 2, pp. 381-5, (1993) (PubMed). Yeargin, Cheng, Yu, Gjerset, Bogart, Haas: "P53 mutation in acute T cell lymphoblastic leukemia is of somatic origin and is stable during establishment of T cell acute lymphoblastic leukemia cell lines." in: **The Journal of clinical investigation**, Vol. 91, Issue 5, pp. 2111-7, (1993) (PubMed

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