

**MLC1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18966b**

**Specification**

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**MLC1 Antibody (C-term) - Product Information**

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Application       | WB,E                                                 |
| Primary Accession | <a href="#">Q15049</a>                               |
| Other Accession   | <a href="#">Q60HE7</a> , <a href="#">NP_055981.1</a> |
| Reactivity        | Human                                                |
| Predicted         | Monkey                                               |
| Host              | Rabbit                                               |
| Clonality         | Polyclonal                                           |
| Isotype           | Rabbit IgG                                           |
| Calculated MW     | 41141                                                |
| Antigen Region    | 337-366                                              |

**MLC1 Antibody (C-term) - Additional Information**

**Gene ID** 23209

**Other Names**

Membrane protein MLC1, MLC1, KIAA0027, WKL1

**Target/Specificity**

This MLC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-366 amino acids from the C-terminal region of human MLC1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MLC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MLC1 Antibody (C-term) - Protein Information**

**Name** MLC1

**Synonyms** KIAA0027, WKL1

**Function** Regulates the response of astrocytes to hypo-osmosis by promoting calcium influx.

**Cellular Location**

Membrane; Multi-pass membrane protein. Cell membrane Cytoplasm, perinuclear region  
Endoplasmic reticulum

**Tissue Location**

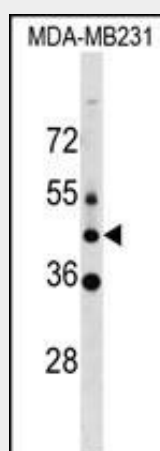
Expressed in the brain, with highest levels found in the amygdala, nucleus caudatus, thalamus and hippocampus

**MLC1 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MLC1 Antibody (C-term) - Images**



MLC1 Antibody (C-term) (Cat. #AP18966b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the MLC1 antibody detected the MLC1 protein (arrow).

**MLC1 Antibody (C-term) - Background**

The function of this gene product is unknown; however, homology to other proteins suggests that it may be an integral membrane transporter. Mutations in this gene have been associated with megalencephalic leukoencephalopathy with subcortical cysts, an autosomal recessive neurological disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.

**MLC1 Antibody (C-term) - References**

Yis, U., et al. Turk. J. Pediatr. 52(2):179-183(2010)  
Lanciotti, A., et al. Neurobiol. Dis. 37(3):581-595(2010)  
Shukla, P., et al. Prenat. Diagn. 28(4):357-359(2008)  
Ambrosini, E., et al. Mol. Cell. Neurosci. 37(3):480-493(2008)  
Selch, S., et al. Biol. Psychiatry 61(10):1211-1214(2007)