

**MLC1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18966b**

**Specification**

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

Primary Accession [Q15049](#)

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

**Gene ID** 23209

**Other Names**

Membrane protein MLC1, MLC1, KIAA0027, WKL1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

#### **MLC1 Antibody (C-term) Blocking Peptide - Images**

#### **MLC1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)