

Datasheet for ABIN1386787  
**anti-MLC1 antibody (AA 321-377)**[Go to Product page](#)

1 Image

1 Publication

## Overview

Quantity:	100 µL
Target:	MLC1
Binding Specificity:	AA 321-377
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MLC1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	MLC1
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## Target Details

Abstract:	<a href="#">MLC1 Products</a>
Background:	<p>Synonyms: KIAA0027, LVM, Megalencephalic leukoencephalopathy with subcortical cysts 1, Membrane protein MLC1, MLC, MLC-1, MLC1_HUMAN, VL, WKL1.</p> <p>Background: MLC1 is a 377 amino acid multi-pass membrane protein that may serve as a non-selective neuronal cation channel in brain. Mutant MLC1 proteins that show impaired folding have been corrected in vitro with the addition of a Ca(2+)-ATPase inhibitor, curcumin. Mutations in the gene encoding MLC1 is the cause of megalencephalic leukoencephalopathy with subcortical cysts, also known as van der Knaap disease, a rare syndrome characterized early in life by progressive brain destruction causing mental retardation and incoordination. Single nucleotide polymorphisms within the MLC1 gene may be associated with periodic catatonia, but there seems to be conflicting evidence on whether or not the gene is implicated in general schizophrenia.</p>
Gene ID:	23209
UniProt:	<a href="#">Q15049</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

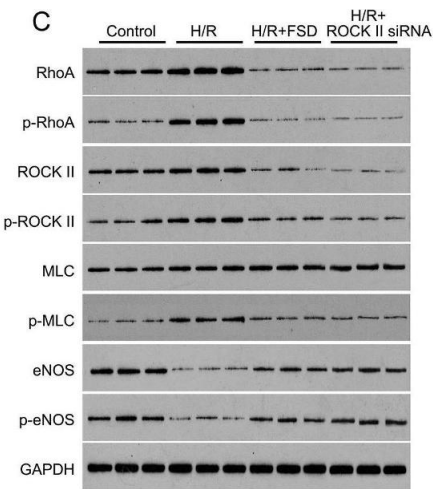
Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Gu, Feng, Yu, Yuan, Yin, Ding, Zhao, Xu, Xu, Che: "Fasudil attenuates soluble fms-like tyrosine kinase-1 (sFlt-1)-induced hypertension in pregnant mice through RhoA/ROCK pathway." in: <b>Oncotarget</b> , Vol. 8, Issue 61, pp. 104104-104112, (2017) ( <a href="#">PubMed</a> ).
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Images



Western Blotting

**Image 1.** Fasudil protects HUVEC cells from H/R-induced apoptosis(A) MTT was used to determine the IC50 of FSD in HUVEC cells cultured in standard condition. (B) Flow cytometry was used to measure the apoptosis rate in HUVEC cells with indicated treatment. HUVEC cells cultured in standard condition were used as control. (C) Western blot analysis for RhoA, ROCK, MLC, eNOS and their phosphorylated form in HUVEC cells with indicated treatment. The experiments were independently repeated for three times. The experiments were independently repeated three times. Data were expressed as mean ± standard error. ANOVA with post hoc Tukey's test was used for statistical analyses. H/R, Hypoxia-reoxygenation, FSD, fasudil. \*p<0.05, \*\*p<0.01, \*\*\*p<0.001. - figure provided by CiteAb. Source: PMID29262624