

Rabbit MLC1 Polyclonal Antibody | anti-MLC1 antibody

Anti-MLC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125678	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MLC1; Polyclonal Antibody; Anti-MLC1 Antibody; Membrane protein MLC1; KIAA0027; WKL1; modulator of VRAC current 1; anti-MLC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for MLC1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Applicable Applications for anti-MLC1 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human MLC1 recombinant protein (Position: M1-Q377).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	Lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (please inquire) for Western blot.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-MLC1 antibody	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.
References	- Duarri, A., Teijido, O., Lopez-Hernandez, T., Scheper, G. C., Barriere, H., Boor, I., Aguado, F., Zorzano, A., Palacin, M., Martinez, A., Lukacs, G. L., van der Knaap, M. S., Nunes, V., Estevez, R. Molecular pathogenesis of megalencephalic leukoencephalopathy with subcortical cysts: mutations in MLC1 cause folding defects. Hum. Molec. Genet. 17: 3728-3739, 2008. - Ilja Boor, P. K., de Groot, K., Mejaski-Bosnjak, V., Brenner, C., van der Knaap, M. S., Scheper, G. C., Pronk, J. C. Megalencephalic leukoencephalopathy with subcortical cysts: an update and extended mutation analysis of MLC1. Hum. Mutat. 27: 505-512, 2006. - Leegwater, P. A. J., Boor, P. K. I., Yuan, B. Q., van der Steen, J., Visser, A., Konst, A. A. M., Oudejans, C. B. M., Schutgens, R. B. H., Pronk, J. C., van der Knaap, M. S. Identification of novel mutations in MLC1 responsible for megalencephalic leukoencephalopathy with subcortical cysts. Hum. Genet. 110: 279-283, 2002. Note: Erratum: Hum. Genet. 111: 114 only, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589896
NCBI GeneID	23209
NCBI Accession #	NP_055981.1
NCBI GenBank Nucleotide #	NM_015166.3
UniProt Accession #	Q15049; Q5JZ83; Q8TAG4; Q96RP5; Q9UGY8; B3KW61; B7Z659
NCBI Official Full Name	membrane protein MLC1
NCBI Official Synonym Full Names	megalencephalic leukoencephalopathy with subcortical cysts 1
NCBI Official Symbol	MLC1
NCBI Official Synonym Symbols	VL; LVM; MLC
NCBI Protein Information	membrane protein MLC1
UniProt Protein Name	Membrane protein MLC1
UniProt Gene Name	MLC1
UniProt Synonym Gene Names	KIAA0027; WKL1
UniProt Entry Name	MLC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mlc1-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125678>