# Monoclonal Antibody to LAL

Cat. #: Mab-606021 (0.1mg)

**Description:**
Lysosomal acid lipase (LAL), with 378-amino acid protein( 43-54 kDa), functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides which are taken up by receptor-mediated endocytosis. An inherited deficiency or low activity of human lysosomal acid lipase results in the intralysosomal storage of the respective lipid substrates. So it is also responsible for the rare conditions of Wolman disease and cholesteryl ester storage disease (CESD). As the enzyme is synthesized by all nucleated cells, lipid-laden cells are found in all organs, particularly in liver, spleen, the adrenal and the hemopoietic system, and in the intestine as well as in the lymph nodes, lungs, testes, and ovaries.

Immunogen/Specificity:
Ni-NTA purified truncated recombinant LAL expressed in E. Coli strain BL21 (DE3)

Applications :
Western Blot: Dilution 1: 200- 1: 1,000
ELISA: Propose dilution 1: 10,000.
Determining optimal working dilutions by titration test.

Formulation
Antibodies are purified by protein A affinity chromatography.

Reference:
1. Uta Drebber, Matthias Andersen, Hans U Kasper, et al,
World J Gastroenterol. 2005 Apr 21;11(15):2364-6
2. Renata Boldrini, Rita Devito, R.Biselli,et al,
Pathol Res Pract. 2004;200(3):231-40

Clone Number: 9G7F12
Isotype: IgG1
Species: Human
Storage and Stability: stored at -20 C

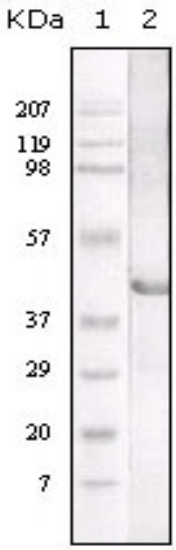


**Figure 1:** Western blot analysis using anti- human LAL monoclonal antibody against truncated LAL recombinant protein.

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