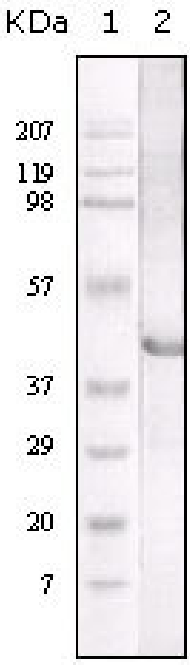
LAL Monoclonal Antibody

Catalog No	BYab-18758
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	LIPA
Protein Name	Lysosomal acid lipase/cholesteryl ester hydrolase
Immunogen	Purified recombinant fragment of LAL expressed in E. Coli.
Specificity	LAL Monoclonal Antibody detects endogenous levels of LAL protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LIPA; Lysosomal acid lipase/cholesteryl ester hydrolase; Acid cholesteryl ester hydrolase; LAL; Cholesteryl esterase; Lipase A; Sterol esterase
Observed Band	
Cell Pathway	Lysosome .
Tissue Specificity	Most abundantly expressed in brain, lung, kidney and mammary gland, a moderate expression seen in placenta and expressed at low levels in the liver and heart.
Function	catalytic activity:A steryl ester + H(2)O = a sterol + a fatty acid.,disease:Defects in LIPA are the cause of cholesteryl ester storage disease (CESD) [MIM:278000]. CESD is a mild manifestation of LIPA deficiency, leading to the accumulation of cholesteryl esters and triglycerides in most tissues of the body. It is characterized by late-onset.,disease:Defects in LIPA are the cause of Wolman disease (WOD) [MIM:278000]. WOD is a severe manifestation of LIPA deficiency, leading to the accumulation of cholesteryl esters and triglycerides in most tissues of the body. WOD occurs in infancy and is nearly always fatal before the age of 1 year.,function:Crucial for the intracellular hydrolysis of cholesteryl esters and triglycerides that have been internalized via receptor-mediated endocytosis of lipoprotein particles. Important in mediating the effect of LDL (low density

	lipoprotein) uptake on s
Background	This gene encodes lipase A, the lysosomal acid lipase (also known as cholesterol ester hydrolase). This enzyme functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides. Mutations in this gene can result in Wolman disease and cholesteryl ester storage disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using LAL Monoclonal Antibody against LAL recombinant protein.