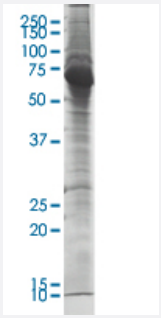
LIPA HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

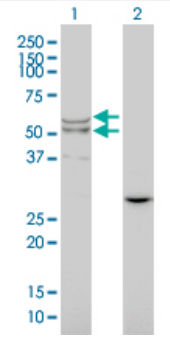
Catalog # L136T6 Size 100 ug

Applications



SDS-PAGE Gel

LIPA transfected lysate



Western Blot

Lane 1: LIPA transfected lysate (45 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-LIPA full length
Host	Human
Theoretical MW (kDa)	45
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0. 1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

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Quality Control Testing	Transient overexpression cell lysate was tested with Anti-LIPA antibody (H00003988-M01) by Western Blots. SDS-PAGE Gel LIPA transfected lysate Western Blot Lane 1: LIPA transfected lysate (45 KDa). Lane 2: Non-transfected lysate.
Recommend Usage	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Storage Buffer	In modified RIPA Lysis Buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

  Protocol Download

- Western Blot

Gene Info — LIPA

Entrez GeneID	3988
GeneBank Accession#	BC012287
Protein Accession#	AAH12287
Gene Name	LIPA
Gene Alias	CESD, LAL
Gene Description	lipase A, lysosomal acid, cholesterol esterase
Omim ID	278000
Gene Ontology	Hyperlink

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Gene Summary	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 encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000020066|OTTHUMP00000020068|OTTHUMP00000059643|cholesterol ester hydrolase|lipase A|lysosomal acid lipase|sterol esterase

Pathway

- Lysosome
- Steroid biosynthesis

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Tobacco Use Disorder

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