

ARG57303 anti-ACADL antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ACADL
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACADL
Species	Human
Immunogen	Recombinant Protein of Human ACADL.
Conjugation	Un-conjugated
Alternate Names	ACAD4; EC 1.3.8.8; LCAD; Long-chain specific acyl-CoA dehydrogenase, mitochondrial

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	

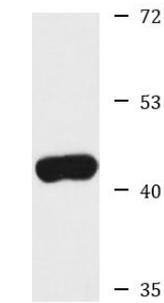
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ACADL
Gene Full Name	acyl-CoA dehydrogenase, long chain
Background	The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq, Jul 2008]
Calculated Mw	48 kDa
PTM	Acetylation at Lys-318 and Lys-322 in proximity of the cofactor-binding sites strongly reduces catalytic activity. These sites are deacetylated by SIRT3 (By similarity).

Images



SH-SY5Y

ARG57303 anti-ACADL antibody WB image

Western blot: SH-SY5Y cell lysate stained with ARG57303 anti-ACADL antibody.