

## Anti-ACADVL/VLCAD Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P107429

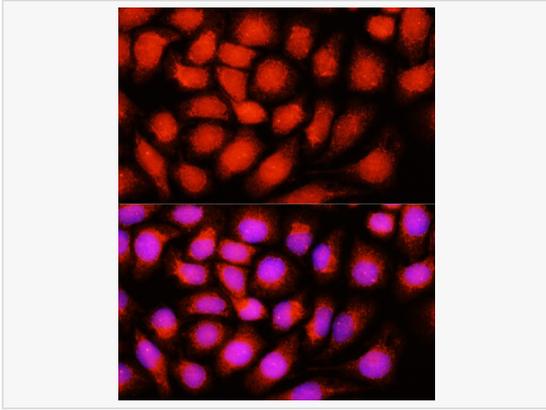
### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human ACADVL (NP_000009.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ACADVL/VLCAD Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

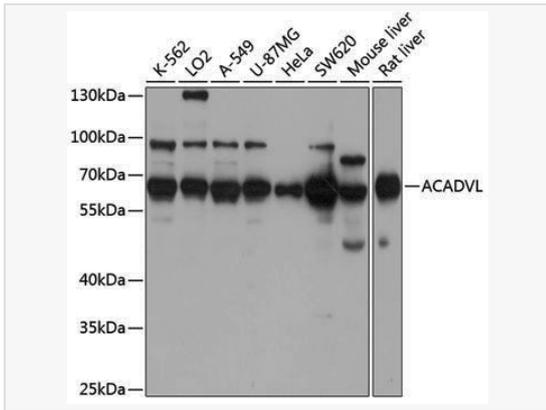
### Protein Information

Synonyms	ACAD6; LCACD; VLCAD; ACADVL.
Calculated MW	Calculated MW: 70 kDa; Observed MW: 70 kDa
Uniprot ID	P49748
Gene ID	37
Background	The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Validation Images



Immunofluorescence analysis of HeLa cells using ACADVL Rabbit pAb (P107429) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using ACADVL Rabbit pAb (P107429) at 1:1,000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Kit (SQ201). Exposure time: 5s.