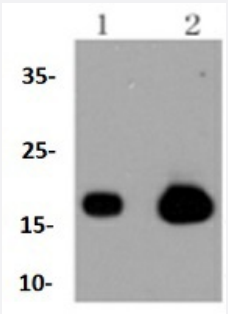
RecomAb™

CAV3 recombinant monoclonal antibody

Catalog # RAB02734 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of Lane1:The heart tissue lysate of Mouse Lane2:The skeletal muscle tissue lysate of Mouse with CAV3 recombinant monoclonal antibody (Cat # RAB02734) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against CAV3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant CAV3.
Theoretical MW (kDa)	17
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Caveolin-3 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — CAV3

Entrez GeneID	859
Protein Accession#	P56539
Gene Name	CAV3
Gene Alias	LGMD1C, LQT9, MGC126100, MGC126101, MGC126129, VIP-21, VIP21
Gene Description	caveolin 3
Omim ID	123320 192600 601253 606072 607801
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a caveolin family member, which functions as a component of the caveolae pl asma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding prot eins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified i n this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting cav eolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKe mia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with i nclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA s ites and contain two potential translation initiation sites. [provided by RefSeq
Other Designations	M-caveolin

Pathway

- Focal adhesion

Disease

- Arrhythmia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Liver Cirrhosis
- Long QT syndrome
- Sudden Infant Death