

Rabbit Caveolin-3/CAV3 Polyclonal Antibody | anti-CAV3 antibody

Anti-Caveolin-3/CAV3 Antibody, Rabbit Polyclonal

CATALOG # AAA27716	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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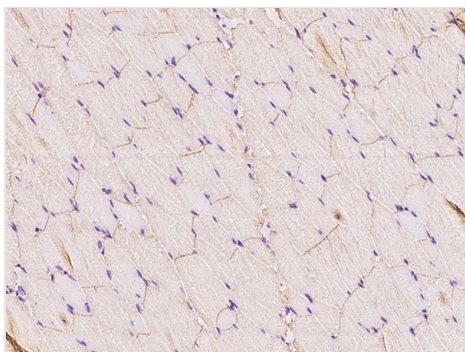
PRODUCT SYNONYMS

Caveolin-3/CAV3; Polyclonal Antibody; Anti-Caveolin-3/CAV3 Antibody; Rabbit Polyclonal; CAV3 Antibody; Rabbit PAb; Antigen Affinity Purified; caveolin 3; Anti-LGMD1C Antibody; Anti-LQT9 Antibody; Anti-VIP-21 Antibody; Anti-VIP21 Antibody; anti-CAV3 antibody

PRODUCT SPECIFICATIONS

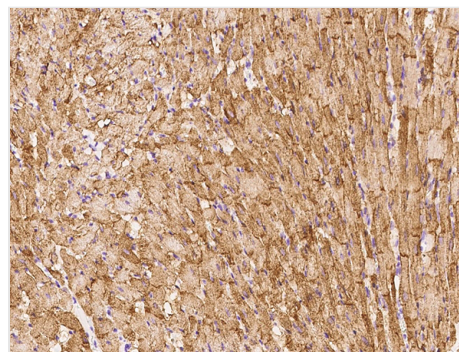
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Caveolin-3/CAV3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CAV3 antibody	IHC (Immunohistochemistry)
Application Notes	IHC-P: 1:1000-1:5000
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human CAV3
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with A synthetic peptide corresponding to the N-terminus of the Human CAV3, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



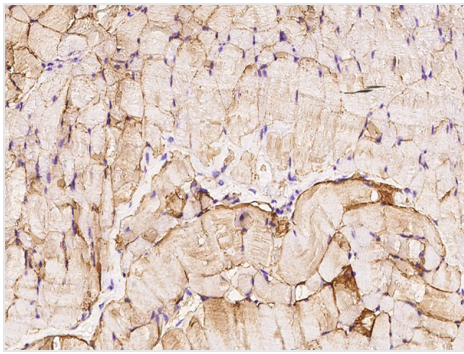
IHC (Immunohistochemistry)

Immunochemical staining CAV3 in rat skeletal muscle with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



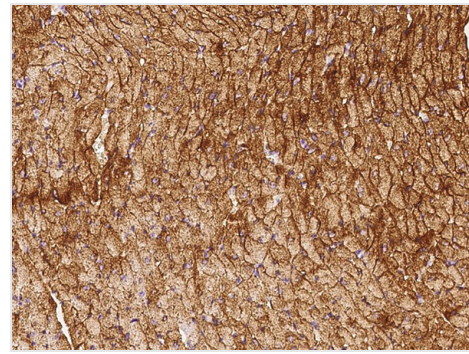
IHC (Immunohistochemistry)

Immunochemical staining CAV3 in rat heart with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



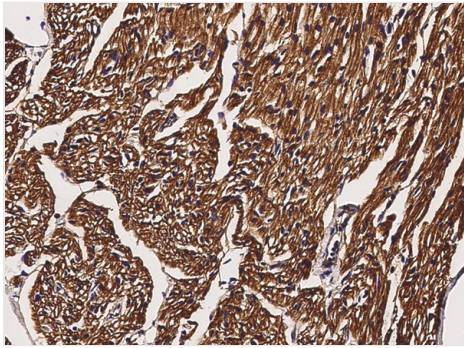
IHC (Immunohistochemistry)

Immunochemical staining CAV3 in mouse skeletal muscle with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



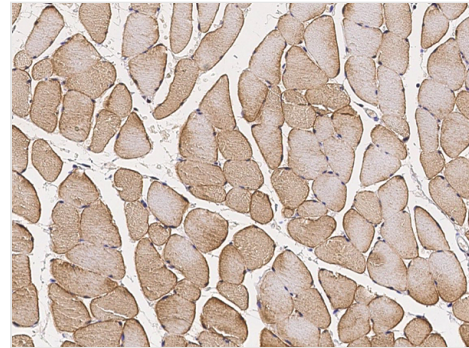
IHC (Immunohistochemistry)

Immunochemical staining CAV3 in mouse heart with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining CAV3 in human heart with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections)



IHC (Immunohistochemistry)

Immunochemical staining CAV3 in human skeletal muscle with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CAV3 antibody	Caveolinopathies are a heterogeneous family of genetic pathologies arising from alterations of the caveolin-3 gene (CAV3), encoding for the isoform specifically constituting muscle caveolae. Caveolin-3 (CAV3) is a principal structural protein of the caveolae membrane domains, which has been reported to participate in cell signaling as well as the maintenance of cell structure. Mutations in the CAV3 gene encoding caveolin-3 (Cav3), a scaffolding protein integral to caveolae in cardiomyocytes, have been associated with the congenital long-QT syndrome (LQT9). Mutations in caveolin-3 (CAV3) can lead to different clinical phenotypes affecting skeletal or cardiac muscles. Mutations in CAV3 lead to various neuromuscular phenotypes with partial overlap, including limb-girdle muscular dystrophy type 1C (LGMD1C), rippling muscle disease, distal myopathy, and isolated hyperCKemia.
References	Yang RB, et al. (2019) Overexpression of cav3 facilitates bone formation via the wnt signaling pathway in osteoporotic rats. <i>Endocrine</i> 63 (3): 639-650. Tyan L, et al. (2019) Long qt syndrome caveolin-3 mutations differentially modulate k(v) 4 and ca(v) 1.2 channels to contribute to action potential prolongation. <i>J Physiol</i> 597 (6): 1531-1551. Stavakis J, et al. (2015) Cav3 gene sequence variations: National genome database and clinics. <i>Acta Neurol Scand</i> 132 (3): 185-190. Scalco RS, et al. (2016) Cav3 mutations causing exercise intolerance, myalgia and rhabdomyolysis: Expanding the phenotypic spectrum of caveolinopathies. <i>Neuromuscul Disord</i> 26 (8): 504-510.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3182930
NCBI GeneID	859
UniProt Accession #	P56539 ; Q3T1A4 ; A8K777
Molecular Weight	17,259 Da
NCBI Official Full Name	Caveolin-3
NCBI Official Synonym Full Names	caveolin 3

NCBI Official Symbol	CAV3
NCBI Official Synonym Symbols	LQT9; VIP21; LGMD1C; VIP-21
NCBI Protein Information	caveolin-3; M-caveolin
UniProt Protein Name	Caveolin-3
UniProt Gene Name	CAV3
UniProt Entry Name	CAV3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/caveolin-3-cav3-antibody-immunohistochemistry-elisa/27716>