ARG64908
anti-Caveolin 3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Caveolin 3
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein (NP_001225.1; NP_203123.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Caveolin 3
Species	Human
Immunogen	EHTDLEAQIVKDIH-C
Conjugation	Un-conjugated
Alternate Names	VIP-21; VIP21; LQT9; Caveolin-3; LGMD1C; M-caveolin

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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.

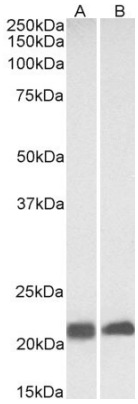
Bioinformation

Background	This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	17 kDa
PTM	Sumoylation with SUMO3 by PIAS4 may reduce agonist-induced internalization and desensitization of adrenergic receptor ABRD2.

Images

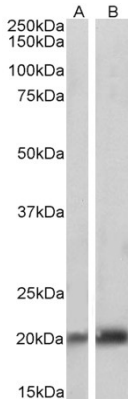
ARG64908 anti-Caveolin 3 antibody WB image

Western blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG64908 anti-Caveolin 3 antibody at 0.3 µg/ml dilution.



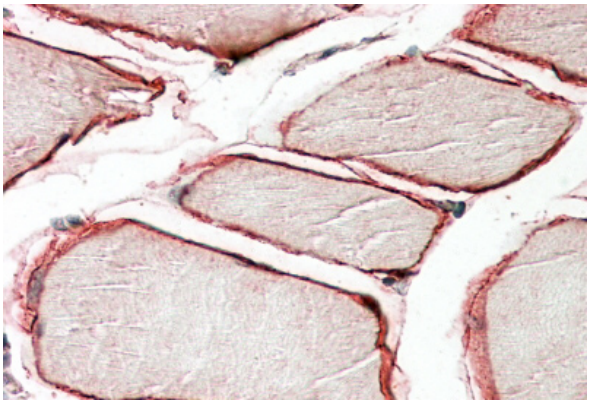
ARG64908 anti-Caveolin 3 antibody WB image

Western blot: Mouse (A) and Rat (B) Heart lysates (35 µg protein in RIPA buffer) stained with ARG64908 anti-Caveolin 3 antibody at 0.3 µg/ml dilution.



ARG64908 anti-Caveolin 3 antibody WB image

Western blot: Pig Skeletal Muscle (A) and Heart (B) lysates (35 µg protein in RIPA buffer) stained with ARG64908 anti-Caveolin 3 antibody at 0.1 µg/ml dilution.



ARG64908 anti-Caveolin 3 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Skeletal Muscle. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64908 anti-Caveolin 3 antibody at 3.8 µg/ml dilution followed by AP-staining.