Datasheet for ABIN6736704

anti-Caveolin 3 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	Caveolin 3 (CAV3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Monkey, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caveolin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide from N-Terminus of human CAV3 (P56539, NP_001225). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Panda, Bovine, Rabbit, Horse (100%), Bat, Pig, Guinea pig (92%), Elephant (86%), Galago, Mouse, Rat (84%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Human CAV3 / Caveolin 3
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Bovine (100%) Pig (92%) Mouse, Rat (84%).
Purification:	Immunoaffinity purified

Target Details

Target:	Caveolin 3 (CAV3)
Alternative Name:	CAV3 / Caveolin 3 (CAV3 Products)
Background:	Name/Gene ID: CAV3 Synonyms: CAV3, Caveolin-3, Caveolin3, Caveolin 3, LGMD1C, VIP-21, VIP21, LQT9, M-caveolin
Gene ID:	859
NCBI Accession:	NP_001225
UniProt:	P56539
Pathways:	Carbohydrate Homeostasis, Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Skeletal Muscle Fiber Development, Negative Regulation of Transporter Activity

Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB (0.2 - 1 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

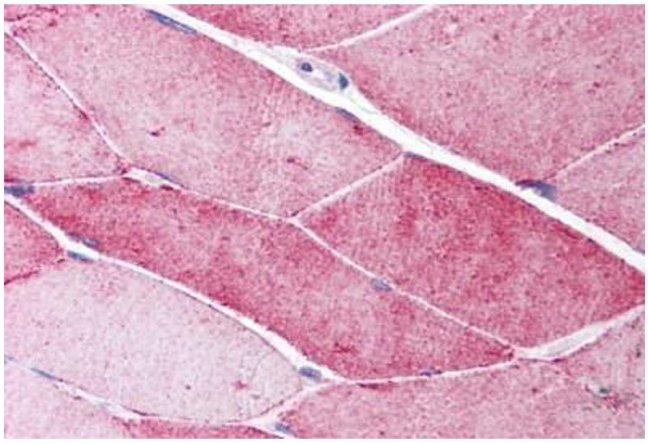
Handling

Format:	Lyophilized
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C

Handling

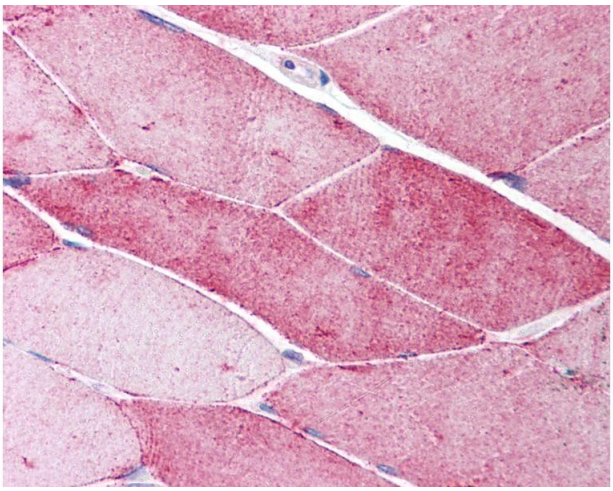
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Human Skeletal Muscle (formalin-fixed, paraffin-embedded) stained with CAV3 antibody ABIN214088 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-CAV3 / Caveolin 3 antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of th ...