

Product datasheet for **TA305791**

Caveolin 3 (CAV3) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.1-0.3 µg/ml. IHC: 3-5 µg/ml.
Reactivity:	Human, Mouse, Rat, Pig (Expected from sequence similarity: Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence EHTDLEAQIVKDIH-C, from the N Terminus of the protein sequence according to NP_203123.1.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caveolin 3
Database Link:	NP_001225 Entrez Gene 12391 MouseEntrez Gene 29161 RatEntrez Gene 484671 DogEntrez Gene 859 Human P56539



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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 intracellular 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]

Synonyms:

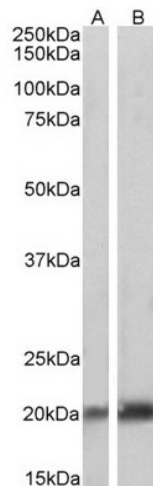
LGMD1C; LQT9; VIP-21; VIP21

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

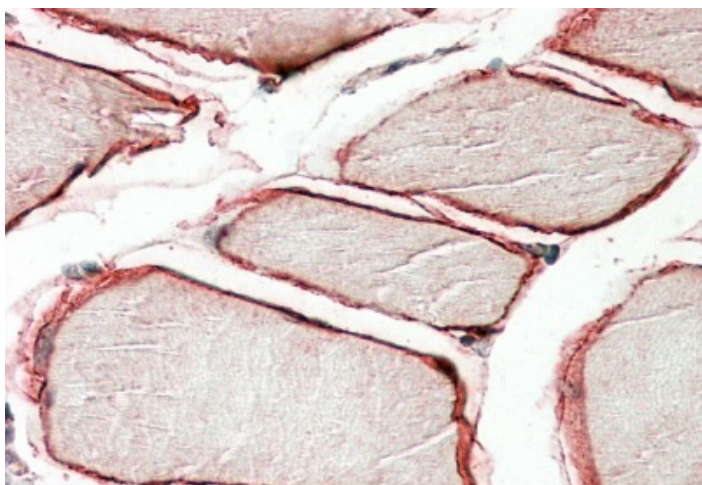
Focal adhesion

Product images:

TA305791 (0.1 ug/ml) staining of Pig Skeletal Muscle (A) and Heart (B) lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA305791 (0.3 ug/ml) staining of Mouse (A) and Rat (B) Heart lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA305791 (3.8 ug/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.