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Research Use Only. Not for diagnostic or therapeutic use.

EB09304 - Goat Anti-CAV3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CAV3, caveolin 3, LGMD1C, LQT9, MGC126100, MGC126101,

MGC126129, VIP-21, VIP21, M-caveolin

Official Symbol: CAV3

Accession Number(s): NP_203123.1

Human GeneID(s): 859

Non-Human GenelD(s): 12391 (mouse), 29161 (rat)

Important Comments: Reported variants represent identical protein (NP_001225.1;

NP_203123.1).

Immunogen

Peptide with sequence EHTDLEAQIVKDIH-C, from the N Terminus of the protein sequence according to NP_203123.1.

Please note the peptide is available for sale.

Purification and Storage

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

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 23kDa band observed in Human Skeletal Muscle and Rat Heart lysates and in preliminary testing of Mouse Skeletal Muscle lysate (calculated MW of 17.3kDa according to Human NP_203123.1, and 17.4kDa according to , Rat NP_062028.1 . This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3μg/ml. Primary incubation 1 hour at room temperature

IHC: Paraffin embedded Human Heart. Recommended concentration: 4-6µg/ml.

Species Reactivity

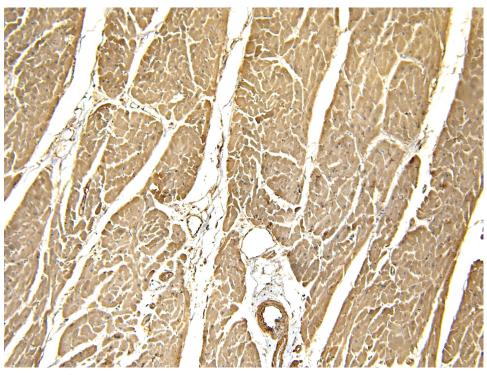
Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig

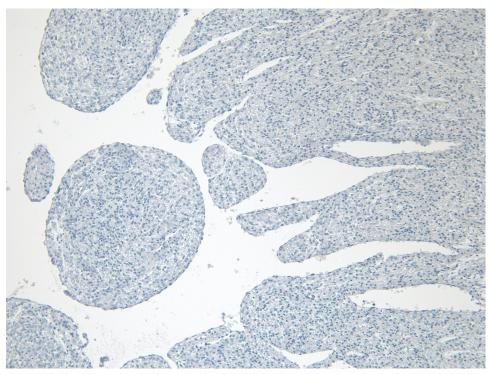


B09304 (0.1µg/ml) staining of Human Skeletal Muscle (A) and Rat Heart (B) lysate (35µg protein in RIPA buffer).

Detected by chemiluminescence.



EB09304 (4µg/ml) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\tt EB09304\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Heart,\ with\ no\ primary\ antibody.}$