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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 GeneID(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 albumin.

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

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx 23kDa band observed in Human, Mouse and Rat Heart lysates and 20kDa in Pig heart and Skeletal Muscle lysates (calculated MW of 17.3kDa according to NP_203123.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Skeletal Muscle shows peripheral staining of fibres. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat, Pig

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

EB09304 (0.3µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09304 (0.3µg/ml) staining of Mouse (A) and Rat (B) Heart lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09304 (0.1µg/ml) staining of Pig Skeletal Muscle (A) and Heart (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09304 (3.8µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.