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EB06817-B - Goat Anti-Caveolin 1, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CAV1, caveolin 1, BSCL3, CGL3, LCCNS, MSTP085, PPH3, VIP21, caveolin 1, caveolae protein, 22kDa, cell growth-inhibiting protein 32, CAV, HGNC:1527

Official Symbol: CAV1

Accession Number(s): NP_001744.2; NP_001166366.1

Human GeneID(s): 857

Non-Human GenelD(s): 12389 (mouse), 25404 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_001744.2; NP_001166366.1). Reported variants represent identical protein: NP_001166367.1, NP_001166368.1, NP_001166366.1. No cross-reactivity expected to Caveolin 2 and Caveolin 3

Immunogen

Peptide with sequence C-DELSEKQVYDAH., from the internal region of the protein sequence according to NP_001744.2; NP_001166366.1.

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 1:8000.

Western blot: Approx 22+24kDa band observed in Human spleen lysates (calculated MW of 20.5kDa according to NP_001744.2). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB06817 (1μg/ml) staining of Human Spleen lysate (35μg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.