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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 GeneID(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

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.