

## UK Office

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

## EB06817 - Goat Anti-Caveolin 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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 24+22kDa band observed in Human Spleen lysates. These bands correspond to earlier findings in literature with different antibodies (Wiechen et al Am J Pathol. 2001 Mar;158(3):833-9, PMID: 11238032). This protein has a calculated MW of 20.5kDa according to NP\_001744.2. Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Pig for this particular batch.

### Species Reactivity

**Tested:** Human

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

EB06817 (0.01µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06817 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**