

## UK Office

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

## EB10693 - Goat Anti-Calciopressin-1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** RCAN1, regulator of calcineurin 1, ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1, Down syndrome candidate region 1, OTTHUMP00000108621, OTTHUMP00000108622, OTTHUMP00000214669, OTTHUMP00000214670, calciopressin-1, calcium and

**Official Symbol:** RCAN1

**Accession Number(s):** NP\_004405.3; NP\_981962.1; NP\_981963.1

**Human GeneID(s):** [1827](#)

**Non-Human GeneID(s):** 54720 (mouse), 266766 (rat)

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_004405.3; NP\_981962.1; NP\_981963.1).

### Immunogen

Peptide with sequence C-HIGSSHLAPPNPD, from the internal region of the protein sequence according to NP\_004405.3; NP\_981962.1; NP\_981963.1.

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 1:32000.

**Western blot:** Approx 40kDa band corresponding to isoform 1L observed in Mouse Brain lysates and this band is not present in the KO mouse. Additional bands around 55kDa were consistently observed, however these band were also observed in the KO mice and therefore they represent non-specific signal. We call for caution when used for other assays than Western blot. Data kindly provided by Dana Crawford, PhD, Albany Medical College, NY, USA. Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Mouse

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

EB10693 (1µg/ml) staining of Mouse Brain and KO Mouse Brain lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.