

#### **International Office**

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# EB10960 - Goat Anti-CB1 (aa44-58) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: CNR1, cannabinoid receptor 1 (brain), CANN6, CB-R, CB1, CB1A,

CB1K5, CB1R, CNR, cannabinoid receptor 1, central cannabinoid receptor

Official Symbol: CNR1

Accession Number(s): NP\_057167.2; NP\_149421.2

Human GeneID(s): 1268

Non-Human GenelD(s): 12801 (mouse), 25248 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_057167.2; NP\_149421.2). Reported variants represent identical protein:

NP\_001153731.1, NP\_001153732.1, NP\_057167.2, NP\_001153730.1, NP\_001153698.1

### **Immunogen**

Peptide with sequence C-NITEFYNKSLSSFKE, from the internal region (near N Terminus) of the protein sequence according to NP\_057167.2; NP\_149421.2.

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 70+55kDa bands observed in Rat Brain lysates (calculated MW of 52.9kDa according to Human NP\_057167.2 and 52.8kDa according to Rat NP\_036916.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Porcella et al, Eur J Neurosci. 2000 Mar;12(3):1123-7. PMID: 10762343). Recommended concentration: 1-3µg/ml.

## **Species Reactivity**

Tested: Rat

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

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

EB10960 (0.3μg/ml) staining of Rat Brain lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour.

Detected by chemiluminescence.