

## UK Office

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

## EB06945-T - Goat Anti-Cannabinoid Receptor 1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** cannabinoid receptor 1 (brain), CNR1, HGNC:2159, CANN6, CB-R, CB1, CB1A, CB1K5, CNR, central cannabinoid receptor, RP1-23D17.1, CB1R, OTTHUMP00000016838, OTTHUMP00000016839, cannabinoid receptor 1

**Official Symbol:** CNR1

**Accession Number(s):** NP\_057167.2; NP\_001153732.1; NP\_001153731.1; NP\_001153730.1; NP\_001153698.1; NP\_149421.1

**Human GeneID(s):** [1268](#)

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

**Important Comments:** This antibody is expected to recognise both reported isoforms. Isoform a (NP\_057167.2; NP\_001153732.1; NP\_001153731.1; NP\_001153730.1; NP\_001153698.1) and isoform b (NP\_149421.1).

### Immunogen

Peptide with sequence C-HTSEDGKQVTRPDQ, from the internal region of the protein sequence according to NP\_057167.2; NP\_001153732.1; NP\_001153731.1; NP\_001153730.1; NP\_001153698.1; NP\_149421.1.

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 55kDa (non-glycosylated) and 65kDa (glycosylated) bands observed in lysates of cell line HeLa (calculated MW of 52.9kDa according to NP\_057167.2;). Both bands were successfully blocked by incubation with the immunizing peptide, Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

This antibody has been successfully used in Western blot on Human: Fügedi G et al. (2014) PMID: 25444073.

### Species Reactivity

**Tested:** Human

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

### Specific Reference

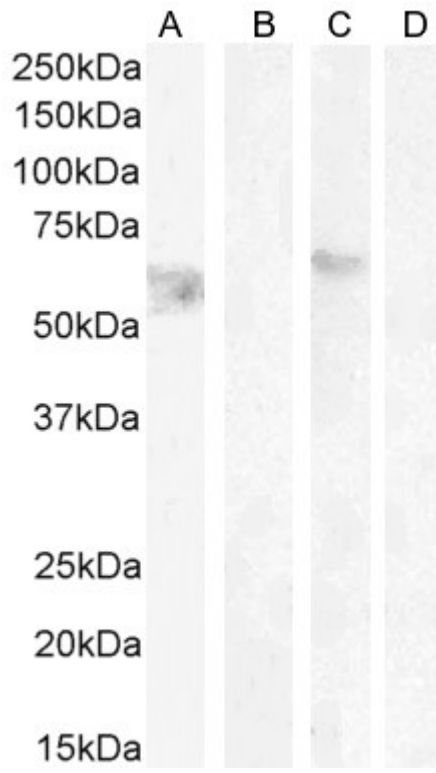
**This antibody has been successfully used in Western blot on Human:**

Fügedi G, Molnár M, Rigó J Jr, Schönleber J, Kovalszky I, Molvarec A.

Increased placental expression of cannabinoid receptor 1 in preeclampsia: an observational study.

BMC Pregnancy Childbirth. 2014 Dec 2;14:395

PMID: 25444073



EB06945 (1 $\mu$ g/ml) staining of HeLa lysate non-glycosylated (A) + peptide (B) and (0.5 $\mu$ g/ml) HeLa lysate glycosylated (C) + peptide (D), (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.