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EB06945 - Goat Anti-Cannabinoid Receptor 1 Antibody

Size: 100µg specific antibody in 200µl



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 GenelD(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-HTSEDGKVQVTRPDQ, 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

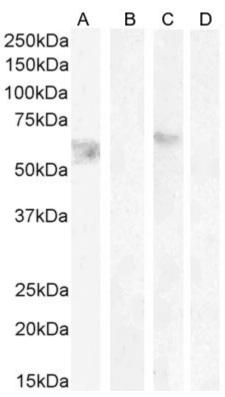
Specific Reference

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

Fügedi G, Molnár M, Rigó J Jr, Schönléber 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 μ g/ml) staining of HeLa lysate non-glycosylated (A) + peptide (B) and (0.5 μ g/ml) HeLa lysate glycosylated (C) + peptide (D),(35 μ g protein in RIPA buffer). Detected by chemiluminescence.