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Research Use Only. Not for diagnostic or therapeutic use.

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 GenelD(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.

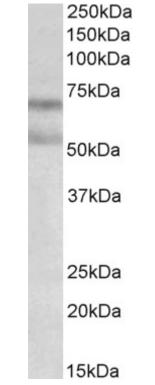
Applications Tested

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



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