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

EB10961 - Goat Anti-CB1 (isoform a) 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

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

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

Important Comments: This antibody is expected to recognize reported isoform a (NP_057167.2) only. Reported variants represent identical protein: NP_001153731.1, NP_001153732.1, NP_057167.2, NP_001153730.1, NP_001153698.1

Immunogen

Peptide with sequence SNDIQYEDIKGDMS-C, from the N Terminus of the protein sequence according to NP_057167.2.

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 1:64000.

Western blot: Approx 52kDa band observed in lysates of cell lines A549 and NIH3T3 (calculated MW of 52.9kDa according to Human NP_057167.2 and 52.8kDa according to Mouse NP_031752.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Human: 33049367 and <http://doi.org/10.1089/can.2020.0107>.

Species Reactivity

Tested: Human, Mouse

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

Specific References

This antibody has been successfully used in WB on Human:

Melissa L. Kozakiewicz, Jie Zhang, Sandra Leone-Kabler, Liliya M. Yamaleyeva, Anna G. McDonald, Brian C. Brost and Allyn C. Howlett
Differential Expression of CB1 Cannabinoid Receptor and Cannabinoid Receptor Interacting Protein 1a in Labor
Cannabis and Cannabinoid Research (April 2021) <http://doi.org/10.1089/can.2020.0107>
PMID: 33998898

This antibody has been successfully used in WB on Human:

Erica L Lyons, Sandra Leone-Kabler, Alexander L Kovach, Brian F Thomas, Allyn C Howlett
Cannabinoid receptor subtype influence on neuritogenesis in human SH-SY5Y cells
Mol Cell Neurosci. 2020 Oct 10;109:103566.

EB10961 (0.3µg/ml) staining of A549 (A) and NIH3T3 (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.