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EB06946 - Goat Anti-Cannabinoid Receptor 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: cannabinoid receptor 2 (macrophage), HGNC:2160, CNR3, CB2, CX5, OTTHUMP00000044841, CNR2, RP11-4M23.1, testis-dominant CNR2 isoform CB2

Official Symbol: CNR2

Accession Number(s): NP_001832.1

Human GenelD(s): 1269

Immunogen

Peptide with sequence C-TETEADGKITPWPD, from the C Terminus of the protein sequence according to NP_001832.1.

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. 40-45kDa doublet band observed in Human Hippocampus lysates, approx. 48kDa in Human Cerebellum lysates, and approx. 50kDa in Human Duodenum lysates (calculated MW of 46.2kDa according to NP_001832.1). Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Tonsil. Recommended concentration: 4µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

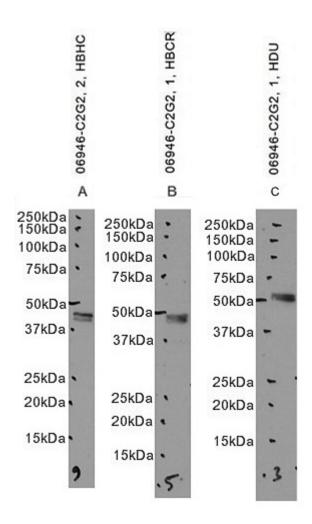
Specific Reference

This antibody (previous batch) 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.

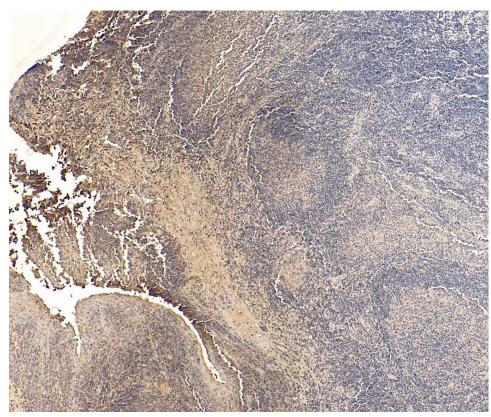
BMC Pregnancy Childbirth. 2014 Dec 2;14:395

PMID: 25444073

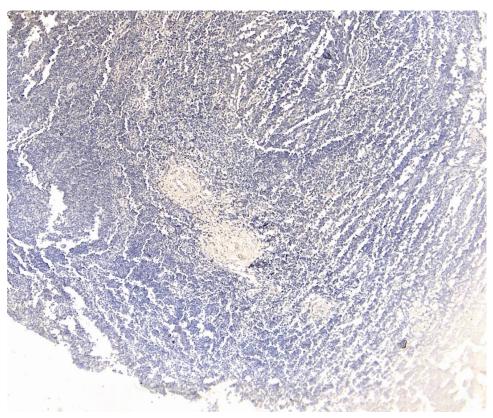


EB06946 optimised QC. Primary incubation 1 hour at room temperature.

Image A: Human Hippocampus lysate at primary Ab concentration 2ug/ml. Images B, C: Human Cerebellum and Duodenum lysate at primary Ab concentration 1ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB06946 (4µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\tt EB06946\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Tonsil,\ with\ no\ primary\ antibody.}$