ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-Cannabinoid Receptor 1 Antibody

Item Number	dAP-0746
Target Molecule	Principle Name: Cannabinoid Receptor 1; Official Symbol: CNR1; All Names and Symbols: cannabinoid receptor 1 (brain); CNR1; HGNC:2159, CANN6, CB-R, CB1, CB1A, CB1K5, CNR; central cannabinoid receptor; RP1-23D17.1; CB1R; cannabinoid receptor 1 OTTHUMP00000016838; OTTHUMP00000016839; Accession Number (s): NP_057167.2; NP_001153732.1; NP_001153731.1; NP_001153730.1; NP_001153698.1; NP_149421.1; Human Gene ID(s): 1268; Non-Human GeneID(s): 12801 (mouse) 25248
Immunogen	HTSEDGKVQVTRPDQ, is from internal region 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).
Applications	Pep ELISA, WB Species Tested: Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 65kDa band observed in Rat Brain lysates (calculated MW of 52.7kDa according to Rat NP_036916.1 and 52.9kDa according to Human NP_057167.2). The observed molecular weight corresponds to earlier findings in literature with different a
IHC	
Reference	Reference(s): Ledent C, Valverde O, Cossu G, Petitet F, Aubert JF, Beslot F, Bohme GA, Imperato A, Pedrazzini T, Roques BP, Vassart G, Fratta W, Parmentier M Unresponsiveness to cannabinoids and reduced addictive effects of opiates in CB1 receptor knockout mice. Science. 1999 Jan 15;283(5400):401-

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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