ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-CB1 (aa44-58) Antibody

Item Number	dAP-2397
Target Molecule	Principle Name: CB1 (aa44-58); Official Symbol: CNR1; All Names and Symbols: CNR1; cannabinoid receptor 1 (brain); CANN6; CB-R; CB1; CB1A; CB1K5; CB1R; CNR; OTTHUMP00000016839; cannabinoid receptor 1; central cannabinoid receptor; Accession Number (s): NP_057167.2; NP_149421.2; Human Gene ID(s): 1268; Non-Human GeneID(s): 12801 (mouse) 25248 (rat)
Immunogen	NITEFYNKSLSSFKE, is from internal region (near N Terminus) 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,
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 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 differen
IHC	
Reference	Reference(s): Scrima M, Di Marino S, Grimaldi M, Mastrogiacomo A, Novellino E, Bifulco M, D'Ursi AM. Binding of the hemopressin peptide to the cannabinoid CB1 receptor: structural insights. Biochemistry. 2010 Dec 14;49(49):10449-57..PMID: 21062041->

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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