

Product Datasheet

Cannabinoid R1/CB1/CNR1 Antibody NB100-2427

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 4

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NB100-2427**Cannabinoid R1/CB1/CNR1 Antibody**

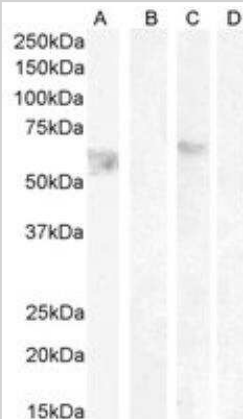
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Cannabinoid R1/CB1/CNR1 Antibody (NB100-2427) is a polyclonal antibody validated for use in WB and ELISA. Anti-Cannabinoid R1/CB1/CNR1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1268
Gene Symbol	CNR1
Species	Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24291518).
Specificity/Sensitivity	This antibody is expected to recognize 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).
Immunogen	Peptide with sequence C-HTSEDGKVQVTRPDQ corresponding to internal region according to NP_001153732.1, NP_001153731.1, NP_001153730.1, NP_001153698.1, NP_149421.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	Western blot: Approx 55 kDa (non-glycosylated) and 65 kDa (glycosylated) bands observed in lysates of cell line HeLa (calculated MW of 52.9 kDa according to NP_057167.2;). Both bands were successfully blocked by incubation with the immunizing peptide,

Images

Western Blot: Cannabinoid R1/CB1/CNR1 Antibody [NB100-2427] - Western blot analysis of HeLa lysate non-glycosylated (A) + peptide (B) with antibody at 1 ug/mL and HeLa lysate glycosylated (C) + peptide (D) with antibody at 0.5 ug/mL. 35 ug protein in RIPA buffer. Detected by chemiluminescence.



Publications

Perdikaris P, Tsarouchi M, Fanarioti E et al. Long lasting effects of chronic WIN55,212-2 treatment on mesostriatal dopaminergic and cannabinoid systems in the rat brain. *Neuropharmacology* 2018-02-01 [PMID: 29113897]

Ledent C, Valverde O, Cossu G et al. Unresponsiveness to cannabinoids and reduced addictive effects of opiates in CB1 receptor knockout mice. *Science* 1999-01-15 [PMID: 9888857]

Mouton-Liger F, Sahun I, Collin T et al. Developmental molecular and functional cerebellar alterations induced by PCP4/PEP19 overexpression: Implications for Down syndrome. *Neurobiol Dis* 2014-03-01 [PMID: 24291518] (WB, Mouse)

Porcella A, Maxia C, Gessa GL et al. The human eye expresses high levels of CB1 cannabinoid receptor mRNA and protein. *Eur J Neurosci* 2000-03-01 [PMID: 10762343]



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Products Related to NB100-2427

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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