

# Product Datasheet

## **Cannabinoid R2/CB2/CNR2 Antibody (3C7) - Azide and BSA Free H00001269-M01**

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00001269-M01**

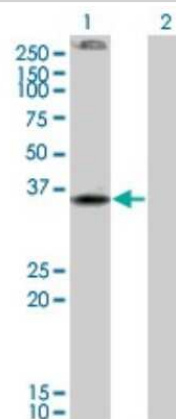
Cannabinoid R2/CB2/CNR2 Antibody (3C7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1269
Gene Symbol	CNR2
Species	Human, Baboon
Specificity/Sensitivity	CNR2 (3C7)
Immunogen	CNR2 (NP_001832.1, 302 a.a. ~ 360 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RSGEIRSSAHHC LAHWKKCVRGLGSEAKEEAPRSSVTETeadgKITPWPDSR DLDLSDC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against transfected lysate and recombinant protein for WB. It has been used for ELISA.

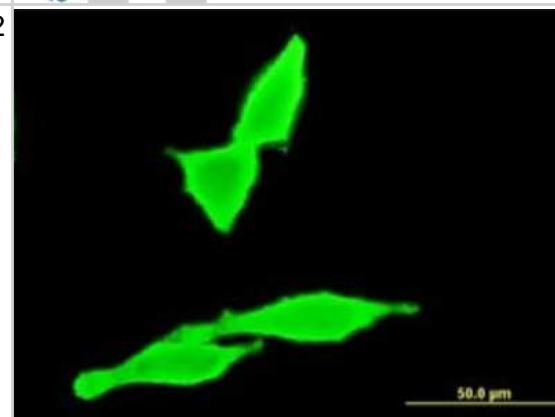


## Images

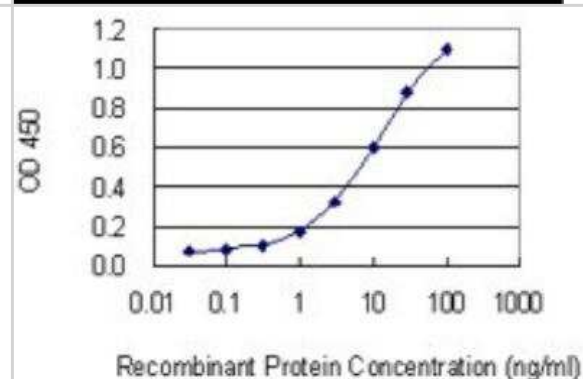
Western Blot: Cannabinoid R2/CB2/CNR2 Antibody (3C7) [H00001269-M01] - Analysis of CNR2 expression in transfected 293T cell line by CNR2 monoclonal antibody (M01), clone 3C7. Lane 1: CNR2 transfected lysate (39.7 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: Cannabinoid R2/CB2/CNR2 Antibody (3C7) [H00001269-M01] - Analysis of monoclonal antibody to CNR2 on HeLa cell. Antibody concentration 10 ug/ml.



ELISA: Cannabinoid R2/CB2/CNR2 Antibody (3C7) [H00001269-M01] - Detection limit for recombinant GST tagged CNR2 is 0.1 ng/ml as a capture antibody.



## Publications

Gandhi K, Li C, German N et al. Effect of maternal high-fat diet on key components of the placental and hepatic endocannabinoid system American Journal of Physiology-Endocrinology and Metabolism 2018-04-01 [PMID: 29138223] (Immunohistochemistry, Block/Neutralize)

Monika V, Emil B, Petr P et al. Cannabinoid receptor 2 expression in early-stage non-small cell lung cancers identifies patients with good prognosis and longer survival. Transl Lung Cancer Res. 2022-08-11 [PMID: 36386452]

Gandhi K, Montoya-Urbe V, Martinez S1 et al. Ontogeny and programming of the fetal temporal cortical endocannabinoid system by moderate maternal nutrient reduction in baboons (Papio spp.). Physiol Rep. 2019-01-01 [PMID: 30912236]

Brocato B, Zoerner AA, Janjetovic Z et al. Endocannabinoid crosstalk between placenta and maternal fat in a baboon model (Papio spp.) of obesity. Placenta. 2013-09-02 [PMID: 24008071]



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### **Products Related to H00001269-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00001269-P01-2ug	Recombinant Human Cannabinoid R2/CB2/CNR2 GST (N-Term) Protein

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### **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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