

For Research Use Only

Cannabinoid receptor 1 Recombinant antibody

Catalog Number: 82787-2-RR



Basic Information

Catalog Number: 82787-2-RR	GenBank Accession Number: BC074812	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1268	CloneNo.: 250285C8
Source: Rabbit	UNIPROT ID: P21554	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: cannabinoid receptor 1 (brain)	
Immunogen Catalog Number: AG12625	Calculated MW: 472 aa, 53 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : fetal human brain tissue,
Species Specificity: human	

Background Information

Cannabinoid receptor 1 (CNR1, or CB1) and CNR2 (CB2) are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family. The CB1 receptor is expressed mainly in the brain. The CB2 receptor is expressed mainly in the immune system and in hematopoietic cells. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana.

Storage

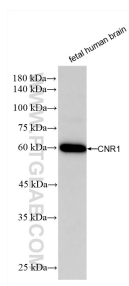
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

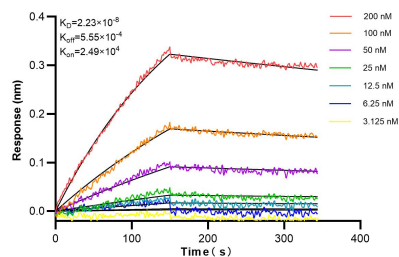
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 82787-2-RR (CNR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82787-2-RR against Human Cannabinoid receptor 1 were performed. The affinity constant is 22.3 nM.