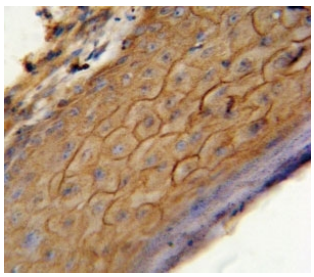
CB2 Antibody / Cannabinoid Receptor 2 (F40838)

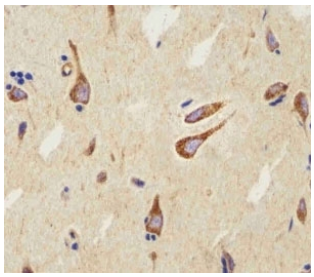
Catalog No.	Formulation	Size
F40838-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40838-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

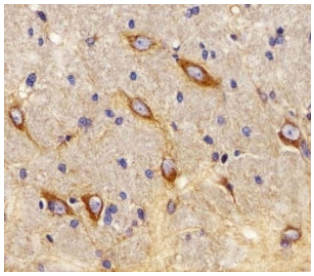
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P34972
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This CB2 antibody is available for research use only.



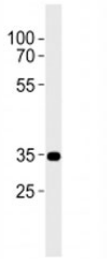
CB2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma.



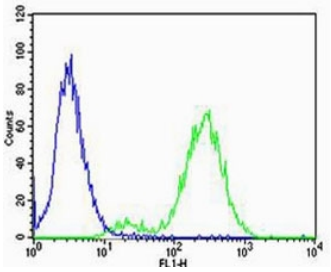
IHC analysis of FFPE human brain using CB2 antibody at 1:25.



IHC analysis of FFPE rat brain using CB2 antibody at 1:25.



CB2 antibody western blot analysis in A431 lysate. Predicted molecular weight ~38 kDa.



Flow cytometric analysis of Jurkat cells using CB2 antibody (green) compared to an isotype control of rabbit Ig (blue). Ab was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG was used as the secondary Ab.

Description

The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. Cannabinoid receptor 2 and cannabinoid receptor 1 (brain) (CNR1) have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors.

Application Notes

Titration of the CB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 329-356 from the human protein was used as the immunogen for this CB2 antibody.

Storage

Aliquot the CB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.