

## CB1 Antibody (RQ4287)

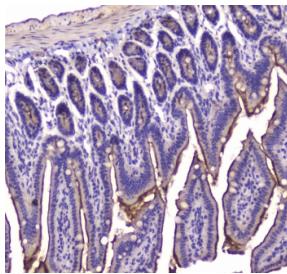
Catalog No.	Formulation	Size
RQ4287	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

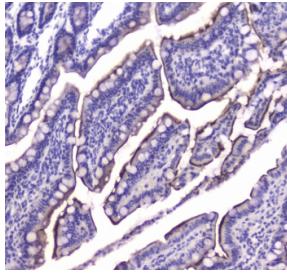
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P21554
<b>Localization</b>	Cell membrane
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 01-2ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This CB1 antibody is available for research use only.

kDa  
 180-  
 130-  
 95-  
 72-  
 55-  
 43-  
 34-  
 26-  
 17-

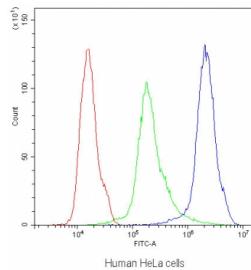
Western blot testing of human 22RV1 cell lysate with CB1 antibody at 0.5ug/ml.  
Predicted molecular weight ~54 kDa.



IHC testing of FFPE mouse small intestine tissue with CB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE rat small intestine tissue with CB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HeLa cells with CB1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CB1 antibody.

## Description

The cannabinoid receptor type 1, often abbreviated as CB1, is a G protein-coupled cannabinoid receptor located primarily in the central and peripheral nervous system. This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive manner. 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. Multiple transcript variants encoding two different protein isoforms have been described for this gene.

## Application Notes

Optimal dilution of the CB1 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids M1-Q75 was used as the immunogen for the CB1 antibody.

## Storage

After reconstitution, the CB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

