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**Product Name: Phospho-Cannabinoid Receptor I (Ser316) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe84855**

For research use only.

## Summary

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

## Application

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 53 kDa; Observed MW: 53 kDa

## Antigen Information

<b>Gene Name</b>	Phospho-Cannabinoid Receptor I (Ser316)
<b>Alternative Names</b>	CNR1; CNR; Cannabinoid receptor 1; CB-R; CB1; CANN6
<b>Gene ID</b>	1268.0
<b>SwissProt ID</b>	P21554
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding Ser316 of human Cannabinoid Receptor I

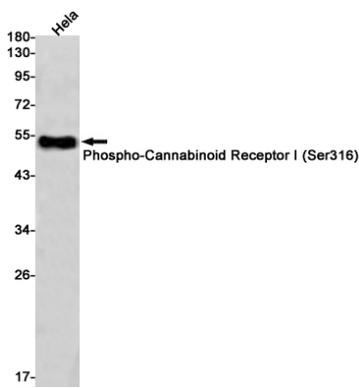
## Background

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.

## Research Area

## Image Data



Western blot analysis of Phospho-Cannabinoid Receptor I (Ser316) in HeLa lysates using Phospho-Cannabinoid Receptor I (Ser316) antibody.