

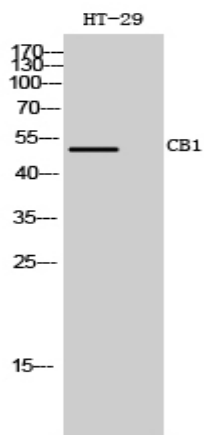
## CB1 Polyclonal Antibody

<b>Catalog No :</b>	YT0687
<b>Reactivity :</b>	Human;Mouse;Rat;Monkey
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CB1
<b>Fields :</b>	>>Rap1 signaling pathway;>>Neuroactive ligand-receptor interaction;>>Thermogenesis;>>Retrograde endocannabinoid signaling
<b>Gene Name :</b>	CNR1
<b>Protein Name :</b>	Cannabinoid receptor 1
<b>Human Gene Id :</b>	1268
<b>Human Swiss Prot No :</b>	P21554
<b>Mouse Gene Id :</b>	12801
<b>Mouse Swiss Prot No :</b>	P47746
<b>Rat Gene Id :</b>	25248
<b>Rat Swiss Prot No :</b>	P20272
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CNR1. AA range:151-200
<b>Specificity :</b>	CB1 Polyclonal Antibody detects endogenous levels of CB1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

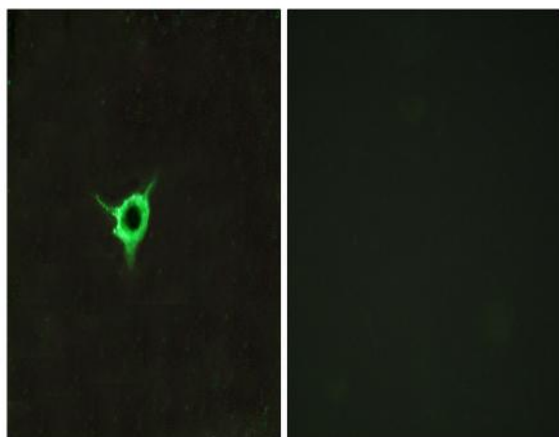
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	53kD
<b>Cell Pathway :</b>	Neuroactive ligand-receptor interaction;
<b>Background :</b>	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. [provided by RefSeq, May 2009],
<b>Function :</b>	function:Involved in cannabinoid-induced CNS effects. Acts by inhibiting adenylate cyclase. Could be a receptor for anandamide. Inhibits L-type Ca(2+) channel current. Isoform 2 and isoform 3 have altered ligand binding.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts (via C-terminus) with CNRIP1.,tissue specificity:Widely expressed.,
<b>Subcellular Location :</b>	Cell membrane ; Multi-pass membrane protein . Membrane raft . Mitochondrion outer membrane . Cell projection, axon . Cell junction, synapse, presynapse . Unexpectedly, in the mitochondria, the C-terminus is located in the mitochondrial intermembrane space, a compartment topologically considered as extracellular. In canonical seven-transmembrane G-protein coupled receptors, the C-terminus is cytosolic (By similarity). Found on presynaptic axon terminals in some GABAergic neurons in the somatosensory cortex (By similarity). .
<b>Expression :</b>	Widely expressed, with highest levels in fetal and adult brain. Expression levels of isoform 2 and isoform 3 are much lower than those of isoform 1.
<b>Tag :</b>	hot
<b>Sort :</b>	3262
<b>No4 :</b>	1

**Host :** Rabbit**Modifications :** Unmodified

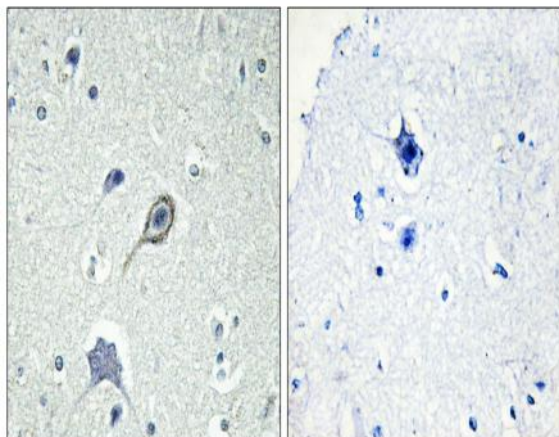
## Products Images



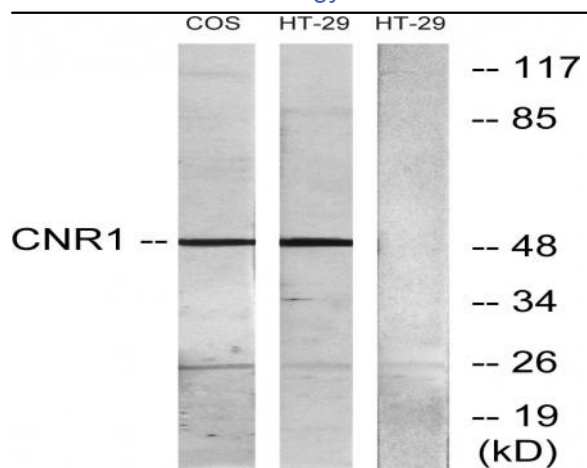
Western Blot analysis of HT-29 cells using CB1 Polyclonal Antibody



Immunofluorescence analysis of LOVO cells, using CNR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CNR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 and COS7 cells, using CNR1 Antibody. The lane on the right is blocked with the synthesized peptide.