

## CB1 (F189) polyclonal antibody

Catalog: BCP00358

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

The cannabinoid receptors (CB1 and CB2) are G-protein coupled receptors that inhibit adenylate cyclase activity in response to psychoactive cannabinoids. CB1 is expressed in brain tissue and, in low levels, in testis. Phosphorylation of CB1 on serine 316 leads to a disruption of CB1-mediated inhibition of calcium channels and activation of potassium currents. This response system is thought to be involved in specific brain functions, such as nociception, control of movement, memory, and neuroendocrine regulation as well as having a possible role in brain development. In addition, CB1 may mediate the addictive behavior involved with the use of psychoactive cannabinoids, such as THC in marijuana.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 53 kDa

### Swiss-Prot:

P21554

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

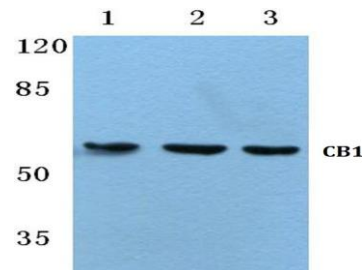
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CB1 (F189) polyclonal antibody detects endogenous levels of CB1 protein.

### DATA:



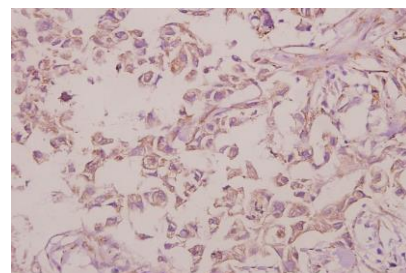
Western blot (WB) analysis of CB1 (F189) pAb at 1:500 dilution

Lane1:BV2 whole cell lysate(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:U-87MG whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of CB1 (F189) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

### Note:

For research use only, not for use in diagnostic procedure.