bs-1683R **[Primary Antibody]**

CNR1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1268

Target: CNR1

Immunogen: KLH conjugated synthetic peptide derived from human CNR-1: 401-472/472.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, May 2009]

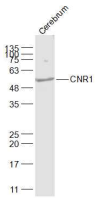
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

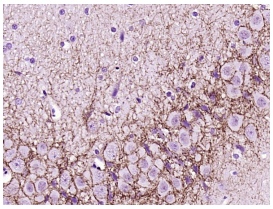
Predicted MW.: 52 kDa

Subcellular Location: Cell membrane

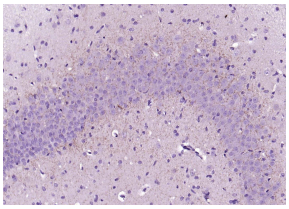
VALIDATION IMAGES



Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-CNR1 (bs-1683R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CNR1) Polyclonal Antibody, Unconjugated (bs-1683R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat hippocampus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CNR1) Polyclonal Antibody, Unconjugated (bs-1683R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=6.799]** Brenda L. K. Coles. et al. A microfluidic platform enables comprehensive gene expression profiling of mouse retinal stem cells. Lab Chip. 2021 Oct;: FCM ;Human. 34651637
- **[IF=4.6]** Can Qi. et al. Identification and verification of international neuroblastoma staging system (INSS) stage-related genes as potential biomarkers for neuroblastoma prognostic models. FRONT CELL DEV BIOL. 2025 Apr;13:1502380 IHC,WB ;Human. 40302936

- **[IF=2.96]** Xinna Wang. et al. Hejie Zhitong prescription promotes sleep and inhibits nociceptive transmission-associated neurotransmitter activity in a rodent migraine model. Chin Med-Uk. 2020 Dec;15(1):1-12 IHC ;Mouse. 33014123
- **[IF=2]** Damla Zeynep Doyuran. et al. The clinical and pathological significance of increased expression of the cannabinoid receptors CB-1R and CB-2R in patients with papillary thyroid carcinomas compared to benign thyroid lesions. INT J BIOL MARKER. ;(): IHC ;Human. 37700679