Datasheet for ABIN951020

# anti-CNR2 antibody (C-Term)

3 Images

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## Overview

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|---|---|
| Quantity: | 0.4 mL |
| Target: | CNR2 |
| Binding Specificity: | AA 331-360, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

## Product Details

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|---|---|
| Immunogen: | KLH conjugated synthetic peptide between 331-360 amino acids from the C-terminal region of human CB2 |
| Isotype: | Ig Fraction |
| Specificity: | This antibody reacts to CB2. |
| Cross-Reactivity (Details): | Species reactivity (tested):Human. |
| Purification: | Affinity chromatography on Protein A |

## Target Details

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|---|---|
| Target: | CNR2 |
| Alternative Name: | Cannabinoid Receptor 2 (CNR2 Products) |

## Target Details

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| Background: | The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors.Synonyms: CB-2, CB2, CNR2, CX5, hCB2 |
| Molecular Weight: | 39681 Da |
| Gene ID: | 1269 |
| NCBI Accession: | NP_001832 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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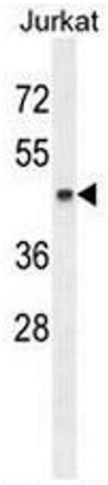
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS, 0.09 % (W/V) sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |

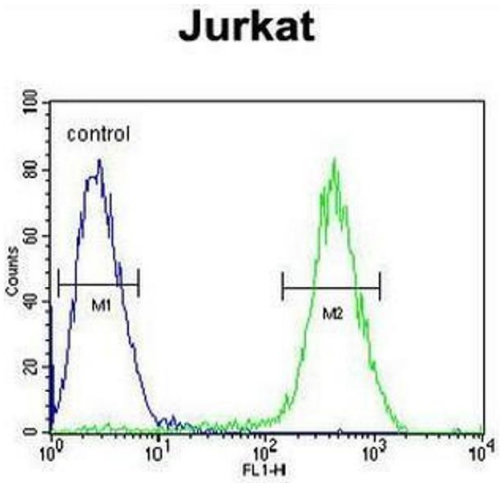

## Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** CB2 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CB2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.




## Western Blotting

**Image 2.** CB2 Antibody (C-term) western blot analysis in Jurkat cell line lysates (35µg/lane).This demonstrates the CB2 antibody detected the CB2 protein (arrow).




## Flow Cytometry

**Image 3.** CB2 Antibody (C-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.