

K2/spice, Synthetic Cannabinoids Polyclonal Antibody

ALTERNATE NAMES:	CB, CX5
CATALOG #:	6205-200
AMOUNT:	200 µg
HOST:	Rabbit
ISOTYPE:	IgG
PURIFICATION:	Protein A chromatography
IMMUNOGEN:	JWH-018 conjugated to a carrier protein.
FORM:	Liquid
FORMULATION:	2 mg/ml of rabbit IgG in phosphate buffered saline with 0.05% sodium azide preservative.

SPECIFICITY: Recognizes the synthetic cannabinoids JWH-018, JWH-073, JWH-122, JWH-019, JWH-081, AM-2201 and related compounds and several of their metabolites.

STORAGE CONDITIONS: Stable for 1 year from date of shipment when stored at -20 or -70°C. Stable for at least 1 month at 4°C. Avoid freeze/thaw cycles.

DESCRIPTION: Cannabinoids are a class of diverse chemical compounds that activate cannabinoid receptors on cells that repress neurotransmitter release in the brain. They are active chemicals in Cannabis that cause drug-like effects throughout the body, including the central nervous system and the immune system. Anti-K2/spice (synthetic cannabinoids), is a rabbit polyclonal IgG antibody. It has been used in a competitive ELISA format to test the presence of JWH-018, JWH-073, JWH-122, JWH-019, JWH-081, AM-2201 and related compounds and their metabolites in samples such as urine, whole blood, serum, and plasma (see Arntson et al, 2013). Note: If this antibody is used in an immunoassay to detect synthetic cannabinoids, suspect test samples must be confirmed using an alternative analytical method, for example LC-MS-MS.

APPLICATION: ELISA (for 96-well plate coating use 1-3 µg/mL). Other methods not tested.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

ORIGINAL REFERENCE: A. Arntson et al. (2013) J. Analyt. Toxicol. 37 284.

OTHER REFERENCES: J.W. Huffman and D. Dai (1994) Bioorg Med Chemistry 4 563
S. Dresen et al. (2010) J Mass Spectrometry 45 760
M. Hutter et al. (2012) J Mass Spectrometry 47 54
A. Wohlfarth et al. (2013) Anal Chem 85 3730

RELATED PRODUCTS:

- JWH-250, Synthetic Cannabinoid Polyclonal Antibody (**Cat. No. 6206-200**)
- UR144/XLR11, Synthetic Cannabinoids Polyclonal Antibody (**Cat. No. 6207-200**)

FOR RESEARCH USE ONLY! Not to be used on humans.