Datasheet for ABIN677290

anti-Methamphetamine antibody (Biotin)

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Overview

Quantity:	100 µL
Target:	Methamphetamine (M-Amp)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Methamphetamine antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated to Methamphetamine
Isotype:	IgG
Cross-Reactivity (Details):	Methamphetamine
Purification:	Purified by Protein A.

Target Details

Target:	Methamphetamine (M-Amp)
Alternative Name:	Methamphetamine (M-Amp Products)
Target Type:	Chemical
Background:	Synonyms: d-Desoxyephedrine hydrochloride, d-N, -Dimethylphenethylamine hydrochloride, Methylamphetamine hydrochloride. Background: Methamphetamine (METH) is closely related chemically to amphetamine (AMPH).

Target Details

	METH is a potent central nervous system stimulant with additional peripheral sympathomimetic effects. METH and AMPH have been used clinically in the treatment of obesity, minimal brain dysfunction, narcolepsy, depression and to counter fatigue. They are also subjected to widespread abuse. METH is an indirect agonists. It causes the release of newly synthesized norepinephrine and dopamine and it blocks the re uptake of these transmitters from the synapse. This can lead to an increase in the concentration of catecholamines in the synapse as well as an overall increase in catecholaminergic activity in the brain. The mechanism of METH induced neurotoxicity for all monoaminergic cell types may lie primarily with the dopaminergic system in the striatum. It may also lie with the interaction between METH induced release of dopamine and its ability to inhibit monoamine oxidase.

Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months