SunLong Biotech Co.,LTD
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Rabbit Anti-TTX antibody

SL0919R

Product Name	TTX
Chinese Name	河豚毒素抗体
Alias	TETRODOTOXIN; Octahydro-12-(hydroxymethyl)-2-imino-5,9:7,10a-dimethano-10aH-[1,3]dioxocino[6,5-d] pyrimidine-4,7,10,11,12-pentol.
Product Type	Small molecule anti
Research Area	Drugs and Compounds Marine organism
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Species independent
Applications	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	0.31927kDa
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated TTX
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Species independent1M TBS(pH7.4) with 1% BSA, Species independent3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Tetrodotoxin, frequently abbreviated as TTX, is a potent neurotoxin with no known antidote. There have been successful tests of a possible antidote in mice, but further tests

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must be carried out to determine efficacy in humans. Fampridine has been shown to reverse tetrodotoxin toxicity in animal experiments.
Tetrodotoxin blocks action potentials in nerves by binding to the voltage-gated, fast sodium channels in nerve cell membranes, essentially preventing any affected nerve cells from firing by blocking the channels used in the process. The binding site of this toxin is located at the pore opening of the voltage-gated Na+ channel. Its name derives from Tetraodontiformes, an order that includes pufferfish, porcupinefish, ocean sunfish or mola, and triggerfish, several species that carry the toxin. Although tetrodotoxin was discovered in these fish and found in several other animals (e.g., blue-ringed octopus, rough-skinned newt, and Naticidae) it is actually produced by certain symbiotic bacteria, such as Pseudoalteromonas tetraodonis, certain species of Pseudomonas and Vibrio, as well as some others that reside within these animals.

SWISS:
N/A

CAS:
4368-28-9