



# Rabbit Anti-STX Polyclonal antibody (CABT-CS030)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	Toxin from marine dinoflagellates, cyanobacteria and mussels.
Target	STX
Immunogen	BSA-conjugated saxitoxin (STX)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	unconjugated
Applications	ELISA
Format	Lyophilized
Size	100 µg
Buffer	PBS
Preservative	None
Storage	Store at 4°C following reconstitution.

## BACKGROUND

Introduction	Saxitoxin (STX) is a neurotoxin that acts as a selective sodium channel blocker and is naturally produced by certain species of marine dinoflagellates (Alexandrium sp., Gymnodinium sp.,
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Pyrodinium sp.) and cyanobacteria (Anabaena sp., some Aphanizomenon spp., Cylindrospermopsis sp., Lyngbya sp., Planktothrix sp.). Ingestion of STX (usually through shellfish contaminated by toxic algal blooms) is responsible for the human illness known as paralytic shellfish poisoning (PSP). Saxitoxin, one of the most potent natural toxins known, acts on the voltage-gated sodium channels of nerve cells, preventing normal cellular function and leading to paralysis.

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**Keywords**

Saxitoxin; STX

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