



# Anti-C. botulinum type A Hemagglutinin 33 Polyclonal antibody (DPAB-DC4098)

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

## PRODUCT INFORMATION

Specificity	C. botulinum Type A Hemagglutinin 33.
Target	C. botulinum type A Hemagglutinin 33
Immunogen	Clostridium botulinum type A Hemagglutinin 33.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	C. botulinum
Conjugate	Unconjugated
Applications	WB, ELISA, Dot, EIA,
Format	Liquid
Size	1 mg
Buffer	In PBS, pH 7.2 (20% glycerol)
Preservative	None
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

Introduction	C. botulinum type A hemagglutinin 33 (HA33/A or Hn-33) is a 33 kDa protein that is a subcomponent of the botulinum neurotoxin (BoNT/A) complex. Hn-33 is resistant to proteolysis,
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helps protect the neurotoxin from degradation in the harsh gastrointestinal environment, and can enhance the endopeptidase activity of BoNT/A. It has also been shown to bind to synaptotagmin II, a potential receptor for the neurotoxin, and its structure consists of two  $\beta$ -trefoil domains.

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**Keywords**

Hemagglutinin 33; Clostridium botulinum Type A Hemagglutinin 33

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