



# Anti-Neurotoxin Type A polyclonal antibody (DPAB0257)

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

## PRODUCT INFORMATION

<b>Specificity</b>	C. botulinum Type A Neurotoxin Complex, neurotoxin or protein isolates.
<b>Immunogen</b>	Type A Neurotoxin and Complexing Proteins Toxoid
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Bacteria Clostridium botulinum
<b>Purification</b>	Protein G Sepharose chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in dot blot, ELISA (1:10,000) and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	1.5mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 mg
<b>Buffer</b>	1X PBS, pH 7.2 containing 20% glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. Aliquot to avoid multiple freeze/thaw cycles.

## BACKGROUND

**Introduction**

*Clostridium botulinum* is a Gram-positive, rod-shaped bacterium that produces neurotoxins, known as botulinum neurotoxins types A-G, that cause the flaccid muscular paralysis seen in botulism. It is also the main paralytic agent in botox. *C. botulinum* is an anaerobic spore-former, which produces oval, subterminal endospores and is commonly found in soil.

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**Keywords**

*Clostridium botulinum* Type A; Atx; Bna; BoNT/A; Bontoxilysin A; BotA; Botox; Botulinum neurotoxin type A; Botulism A toxoid; *lostridium*; Bacteria; Clostridia; Clostridiales; Clostridiacea; *Clostridium*; *C. botulinum*

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