

**BP2271****Polyclonal Antibody to Botulinum neurotoxin type A - Purified**

<b>Alternate names:</b>	BOTOX, BoNT/A, Bontoxilysin-A, Clostridium botulinum Toxin A
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	0.94 mg/ml (OD280nm, E0.1%=1.4)
<b>Background:</b>	<i>Clostridium botulinum</i> neurotoxins are zinc-dependent proteases that block the release of acetylcholine from peripheral cholinergic nerve endings by targeting specific membrane proteins including synaptosomal-associated proteins (SNAP), vesicle-associated membrane proteins (VAMP), and syntaxins. Neurotoxin A is characteristically associated with human botulism and known to target and hydrolyse the 197-Gln- -Arg-198 bond of SNAP-25.
<b>Uniprot ID:</b>	<a href="#">P10845</a>
<b>NCBI:</b>	<a href="#">1491</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Type A Neurotoxin and Complexing Proteins Toxoid.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Protein G Sepharose Chromatography <b>Buffer System:</b> 1x PBS, pH 7.2 containing 20% Glycerol <b>Preservatives:</b> None
<b>Applications:</b>	<b>ELISA</b> (1/10,000). <b>Dot blot.</b> <b>Western blot.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes <i>C. Botulinum</i> Type A Neurotoxin Complex, neurotoxin or protein isolates.
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.