



# Anti-Apramycin polyclonal antibody (DPABY-798)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Apramycin antibody was raised in sheep using Apramycin-BTG as the immunogen
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	N/A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Pr*
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Ig fraction supplied in liquid form in 20 mM phosphate buffer, 150 mM sodium chloride and 0.09% sodium azide, pH 7.2
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at 2-8 °C for short term storage or -20 °C for up to 2 years

## BACKGROUND

**Introduction** Apramycin stands out among aminoglycosides for its mechanism of action which is based on blocking translocation and its ability to bind also to the eukaryotic decoding site despite differences in key residues required for apramycin recognition by the bacterial target. The drug binds in the deep groove of the RNA which forms a continuously stacked helix comprising non-canonical C.A and G.A base pairs and a bulged-out adenine.

**Keywords** Apramycin; Nebramycin II; Nebramycin 2;