

**AP33035PU-N****Polyclonal Antibody to Pirimiphos - Purified**

<b>Quantity:</b>	1 ml
<b>Concentration:</b>	5 mg/ml
<b>Background:</b>	Pirimiphos is an insecticide belonging to the group of organophosphothioates. It is applied in the field on fruits, vegetables, in the storage of grain products and as an additive in paints. It has adverse effects on algae and mammals due to its biological activity as acetylcholine esterase inhibitor. Pirimiphos-methyl is an organophosphate used as a pesticide. It is a highly acutely toxic cholinesterase inhibitor.
<b>Host / Isotype:</b>	Chicken / IgY
<b>Immunogen:</b>	BSA-Pirimiphos-methyl Conjugate. Chicken egg yolk, purified by PEG extraction.
<b>Format:</b>	<b>State:</b> Liquid purified IgY fraction <b>Purification:</b> PEG Extraction <b>Buffer System:</b> PBS, pH 7.2 <b>Preservatives:</b> 0.02% Sodium Azide
<b>Applications:</b>	<b>ELISA:</b> Dilution of 1/3000 from the delivered solution (The titer is defined as the dilution that gives 50% of the maximum absorbance when tested with ELISA). <i>Suggested concentration:</i> 1/3,000 from the delivered solution. Plates are coated with 400 ng/ml OVA-conjugated pirimiphos. HRP-conjugated anti-Chicken Rabbit IgG as a tracer 1/8,000. <b>Immunoaffinity Chromatography:</b> Antibody can be coupled to solid support materials. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific for Pirimiphos. <b>Target:</b> Pirimiphos-methyl, CAS no.: 29232-93-7, Solubility: Water, Acetone, Ethanol, Propanol, Toluene. <b>Pesticides %Cross Reactivity</b> Pirimiphos: 100 % 2-4 D: < 0.1% Chloropiriphos: < 0.1%. Deltamethrin: < 0.1%. Fenitrothion: < 0.1%. Permethrin: < 0.1%. Etrimphos: < 0.1%. Atrazine: < 0.1%. Methacrimphos: < 0.1%. Aldicarb: < 0.1%. Malathion: < 0.1%. Tebuconazole: < 0.1%.

**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.