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Product datasheet for AP33043PU-N

Chlorpyrifos Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	AP, ELISA
Recommended Dilution:	**ELISA:** Dilution of 1/100,000 from the delivered solution (The titer is defined as the dilution that gives 50 % of the absorbance from the maximum absorbance when tested with ELISA). *Suggested concentration:* 1/100,000 from the delivered solution. Plates are coated with 400 ng/ml OVA-conjugated chlorpyrifos. HRP-conjugated anti-rabbit IgG as a tracer 1/8,000. **Immunoaffinity Chromatography.**
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	BSA-Chlorpyrifos Conjugate
Specificity:	Target: Chlorpyrifos, *CAS no.:* 2921-88-2, Solubility: Methanol, Iso-octanol, Benzene. This antibody is highly specific for Chlorpyrifos. ***Pesticides : Cross Reactivity*** Chlorpyrifos: 100%. 2-4 D: < 0.1%. Pirimiphos: 1%. Deltametrin: < 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%.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific

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Purification:	Caprylic Acid Extraction
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Chlorpyrifos is an insecticide belonging to the group of organophosphothioates. It is used in the culture of vegetables and in citrus orchards. Chlorpyrifos is an Acetylcholinesterase inhibitor and as such highly toxic, having an effect on the nerve system. There is evidence that Chlorpyrifos has an effect on the fetus that may lead to behavioural disorders and lowered concentration.