

AP33031PU-N**Polyclonal Antibody to Glyphosate - Purified**

Quantity:	1 ml
Concentration:	5 mg/ml
Background:	Glyphosate (N-(phosphonomethyl) glycine) is a non-selective systemic herbicide, used to kill weeds, especially perennials and broadcast or used in the cut-stump treatment as a forestry herbicide.
Host / Isotype:	Chicken / IgY
Immunogen:	BSA-Glyphosate Conjugate. Source: Chicken egg yolk, purified by PEG extraction.
Format:	State: Liquid purified IgY fraction Purification: PEG Extraction Buffer System: PBS, pH 7.2
Applications:	ELISA: Dilution 2,000 from the delivered solution (depending on conjugate). (The titer is defined as the dilution that gives 50% of the maximum absorbance when tested with ELISA). This anti-Glyphosate antibody is applicable for any type of (waste) water sample. The detection limit is 2,5 µg/l, the end concentration is 100 µg/l. Standard curve runs from 5-100 µg/l. (For an optimal ELISA result use high affinity plates. Recommended assaybuffer 0.1M PBS, 1% BSA heat-treated, pH 7.4). The antibody can be used coupled to column material for IAC. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	<i>Glyphosate</i> , CAS no.: 1071-83-6, Solubility: Water.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage addition of 0.02% sodium azide is advised. Avoid repeated freezing and thawing. Shelf life: one year from despatch.