

## Product datasheet for **AP33040PU-N**

### Atrazine Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	AP, ELISA
Recommended Dilution:	<b>ELISA:</b> 1/500, depending on the conjugate used (The titer is defined as the dilution that gives 50% of the absorbance from the maximum absorbance when tested with ELISA). <b>Suggested Concentration:</b> 1/500 from the delivered solution. Plates are coated with 400 ng/ml OVA-conjugated Atrazine. HRP-conjugated anti-sheep IgG as a tracer 1/8,000. <b>Immunoaffinity Chromatography.</b>
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	BSA-atrazine conjugate.
Specificity:	<b>Target:</b> Atrazine, CAS no.: 1912-24-9. The specificity of the antibody was determined by measuring the cross-reactivity with a range of compounds in ELISA. This antibody is specific for Atrazine and some other Triazines. <b>Cross Reactivity:</b> Atrazine 100%, Propazine 150%, Simazine 4%, Ametryn 2500%, Prometryn 1700%, Simetryn 280%, Terbutylazine 2%, Atrazine-desethyl 7%, Atrazine desisopropyl 1%, Atrazine-2-hydroxy 1%, Cinosulfuron > 0.1% Prosulfuron > 0.1%, Triasulfuron > 0.1%, Chlorpyrifos > 0.1%, Clofibrinezuur > 0.1%, Deltametrin > 0.1%, Diclofenac 1%, Etrimfos 1%, Erythromycine > 0.1%, Fenitrothion > 0.1%, Fenofibraat > 0.1%, Atrazine 21%, Ibuprofen > 0.1%, Malathion > 0.1%, Maleaminezuur > 0.1%, Metoprolol > 0.1%, Metacrifos > 0.1%, 4-n-Nonylphenol 2%, Permetrin > 0.1%, Pirimifos-ethyl > 0.1%, Sulfadimidine > 0.1%, Vinclosolin > 0.1%.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction from Serum Preservative: 0.02% Sodium Azide
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.



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**Stability:** Shelf life: one year from despatch.

**Background:** Atrazine is a herbicide against pre- and post-emergence broadleaf and grassy weeds. It is a very persistent compound and it has been banned in the EU since 2004. Its main toxic effect is as endocrine disruptor. Atrazine is a widely used herbicide. Its use is controversial due to its effects on non-target species, such as on amphibians.