

## Polyclonal Antibody to Atrazine - Serum

<b>Catalog No.:</b>	AP33040SU-N
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	trazine 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.
<b>Host:</b>	Sheep
<b>Immunogen:</b>	BSA-atrazine conjugate.
<b>Format:</b>	<b>State:</b> Liquid Serum
<b>Applications:</b>	<b>ELISA:</b> 1/2,000, 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> 1/2,000 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> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	<b>Target:</b> Atrazine, <i>CAS no.:</i> 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%.
<b>Storage:</b>	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.
<b>General Readings:</b>	1. Dr. Eline P. Meulenberg, Protocols for the development and validation of an immunoassay. ELTI Support VOF February 2008