

Polyclonal Antibody to Atrazine - Serum

Catalog No.:	AP33040SU-N
Quantity:	0.1 ml
Background:	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.
Host:	Sheep
Immunogen:	BSA-atrazine conjugate.
Format:	State: Liquid Serum
Applications:	ELISA: 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). <i>Suggested concentration:</i> 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. Immunoaffinity Chromatography. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Target: 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. Cross Reactivity: 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-Nonylfenol 2%, Permetrin > 0.1%, Pirimifos-ethyl > 0.1%, Sulfadimidine > 0.1%, Vinclosolin > 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.
General Readings:	1. Dr. Eline P. Meulenberg, Protocols for the development and validation of an immunoassay. ELTI Support VOF February 2008