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AP33044SU-N Polyclonal Antibody to Clofibrate - Serum

Quantity:	0.1 ml
Background:	Clofibrate is a drug used for the treatment of cardiovascular diseases as a lipid- lowering agent. It is found in the water environment in relatively high concentrations, especially in the neighbourhood of large cities and hospitals. It is rapidly degraded to clofibric acid.
Host:	Rabbit
Immunogen:	BSA-clofibric acid conjugate
Format:	State: Liquid Serum
Applications:	 ELISA: Dilution of 1/75,000 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: 1/75,000 from the delivered solution. Plates are coated with 400 ng/ml BSA-conjugated C6-alkylphenol. HRP-conjugated anti-rabbit 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: Clofibrate, <i>CAS no.</i> : 637-07-0, Solubility: Organic solvents This antibody is highly specific for Clofibrate. <i>Cross Reactivity</i> Clofibrate: 100%. 2,4-DB: 18%. Fenitrothion: 13%. Bezafibrate: 11%. Fenofibrate: 6%. Clofibrinic acid: 4%. Chlorpyriphos: 3%. MCPA-Na: 3%. MCPA-Na: 3%. McCpA-Na: 3%. Mccoprop: 2%. 2,4,5-T: 1%. 2,4-D: 1%. 2,4-D: 1%. Ciprofibrate: 1%. Gemfibrozil: 1%. MCPA: 1%. Pirimifos-ethyl: 1%. Diclofenac: > 0.1%. Erythromycine: > 0.1%.

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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. Halling-Sørensen B, Nors Nielsen S, Lanzky PF, Ingerslev F, Holten Lützhøft HC, Jørgensen SE. Occurrence, fate and effects of pharmaceutical substances in the environmenta review. Chemosphere. 1998 Jan;36(2):357-93. PubMed PMID: 9569937.

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